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PhD. MSc. Florin Calin PAUN - Curriculum Vitae

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Cetățean francez și român, Născut în 1969, Alba-Iulia, România

CSO ARESIA | EIC; Pathfinder, Transition, Accelerator, Mentor Due Diligence & Scale-up | Lider în inovație cu peste 20 de ani de disrupție în tehnologie și modele de afaceri | Fondator 3X | Speaker TEDx & Global | Autor DRL vs TRL | Investitor

EXPERIENȚĂ PROFESIONALĂ

* *Din 1 iulie 2021 – Chief Science & Partnerships Officer pentru grupul industrial ARESIA,*

- Îndreptarea activităților grupului către un echilibru de 50% Apărare și 50% Civil, ex. tehnologie H2 lichid.

* *2015 – prezent - Co-fondator al Deeptech Xvaluator (brevet obținut în 2019)*

- Inovație generică a "AI Calificativ" (Paun, 2023) reducând amprenta ecologică a utilizărilor digitale, AI Generativ prin reducerea colaborativă a fluxului de date false și periculoase

* *2020 – iunie 2021 – Arhitect de inovație Secapem și Șef al Unității de Proiecte Speciale Inteligente*

- Lansarea Instructorului Virtual Bazat pe AI pentru Piloți, lansarea unui simulator Radar agresor de cost redus pentru Red-Air

* *2019 – 2021 – Șef de Misiune Tehnologică SAFE Cluster & Coach Accelerator IoT Tribe SpaceEnd*

* *2018 – 2020 – Selectat pentru a deveni Manager de Program pentru JEDI (Joint European Disruptive Initiative)*

* *2018 – prezent – Fondator Agilising Innovation: Consultanță pentru IMM-uri (Ecosys, QuantCube, Energisme, Sophia Engineering, Nawa Tech, Numalis...), Mentorat pentru Scale-Up Accelerator (Xans, Pegase Croissance), Strateg pentru Rețele Profesionale (Think Smart Grids), Strateg pentru Instituții Publice de R&D (ONERA,...)*

- Dezvoltarea unui EcoSistem de Inteligență Integrată (construirea unui concurent european al Palantir Technologies), Implementarea unui Accelerator de tip Crossing the Chasm, Xfertilizare, Implementarea Programelor Demo-Tech, Transformare pentru Managementul Creșterii, Consolidarea Modelului de Afaceri

* *2017 – 2018 – Director de Inovație al Grupului, Akka Technologies SA*

- Definirea și Implementarea Strategiei & Activității Agile Demo-Tech.

- Modelarea Ecosistemelor către 7 domenii industriale, Management al Schimbării, Transformare Culturală, Training...

** 2016 – 2017 - Director de Dezvoltare & Strategie, Cluster de Competitivitate SAFE, lider UE în furnizarea de soluții de Securitate bazate pe tehnologii aerospațiale cu peste 500 de membri (grupuri, IMM-uri, Start-ups & Laboratoare)*

- Definirea Strategiei și Implementarea Activității, Supervizarea Acceleratorului Pegase Croissance

- Lansarea Chartei & Clubului de Inovație Deschisă cu Regiunea PACA, DGA, 14+ Grupuri și 60+ IMM-uri

- Conducerea misiunilor de Export Hands-on: ex. sprijin pentru Airbus Helicopters RO pentru stabilirea unui lanț de aprovizionare local de 10+ IMM-uri

** 2005 – 2018 - Director de Inovație Industrială & Noi Afaceri, Onera-The French Aerospace Lab*

- Crearea, dezvoltarea și gestionarea transferului de tehnologie care include licențiere, dezvoltarea de noi afaceri, branding, evaluarea proprietății intelectuale și activități legate de IMM-uri (standby 2013-2015 pentru lansarea ecosistemului accelerator Onera-Tech-Capital) – 200+ Proiecte, 70+ TechTransfer, 2000 locuri de muncă create

- Definirea și Implementarea Strategiei de Dezvoltare a Afacerilor în Domeniile Auto, Energie, Med-Tech și Aerospațial Internațional, Definirea și Implementarea Biroului de Transfer Tehnologic, Strategiei și Instrumentelor pentru a consolida relațiile ONERA–IMM, Evaluarea și Strategia pentru Valorizarea IP în Clustere Tehnologice (Integrator X Furnizori X Clienți)

- Sprijin pentru dezvoltarea afacerilor și negociator principal, construirea de echipe, Director interimar de Dezvoltare Afaceri

- Reprezentarea ONERA în diferite instanțe de guvernare pentru actorii inovației și rețelele profesionale strategice care sprijină IMM-urile și R&D (GIFAS, Open Innov. Medef, Carnot, CURIE...)

** 1999 – 2005 - Coordonator de Cercetare în Structuri & Materiale Multifuncționale cu Senzori Inteligenți, Procesare, Structuri & Materiale de Înaltă Temperatură - ONERA, Châtillon, Franța*

- Coordonator de cercetare: lider de echipă, negociere, managementul programelor de cercetare

- Ofițer Tehnologic DARPA, DGA, Ministerul R&D, Airbus, Safran...

- Șef al Unității de Teste Mecanice pentru Departamentul de Materiale Metalice și Procesare

- Organizator de Evenimente Științifice: Journée Scientifique de l'ONERA - Matériaux absorbants Acoustique - 16 ianuarie 2003, AAAF - Al 20-lea Colocviu pe Materiale în Aerospațial, 23-25 noiembrie

** 1998 – 1999 – Post-Doctorat, Onera, Instrument de Expertiză a Eșecurilor bazat pe Analiza Fractalilor suprafețelor fisurilor*

** 1994 – 1998 – Doctorat în cadrul unui contract R&D propus și negociat pe Oboseala Termomecanică cu SNECMA, Turbomeca & EDF la Ecole Nationale Supérieure d'Ingénieurs en Constructions Aéronautiques, Toulouse, Franța*

EDUCAȚIE (profil dual Economie Inovațională și Om de Știință Multidisciplinar)

** 2006 – 2007: Massachusetts Institute of Technology – MIT Sloan School of Management*

- Certificat Executiv 'Management & Leadership'

** 1994 - 1998 : Universitatea Paul Sabatier - Ecole Nationale Supérieure d'Ingénieurs de Constructions Aéronautiques, Toulouse, Franța (Menționare "Tres Honorable")*

- Doctorat în Aerospațial – în Oboseala Termo-Mecanică a Materialelor și Mecanica Fluidelor

** 1993 - 1994 : Ecole Nationale Supérieure d'Ingénieurs de Constructions Aéronautiques, Toulouse*

- Master of Science în «Génie Mécanique» (șef de promoție sesiunea iulie 1994 – menționare "Tres Bien")

** 1993: Ecole Polytechnique, Palaiseau*

- Certificat în Știința Ingineriei cu programul 'Internațional' (Menționare "Honorable")

** 1988 - 1993: Universitatea 'Politehnica' București, România*

- Master of Science în Aerospațial - (locul 3 din 120 de studenți cu scor de 9.74/10)

** 1987: Membru al Lotului Olimpic de Fizică al României, categoria sub 18 ani*

PREDAT: Strategii de Inovație Autorizate - ISAE, ENAC, Ecole de l'Air & Aerospace MBA la TBS

PUBLICAȚII (vezi anexa pentru listă)

** Speaker Global despre Practici de Inovație & IP: Forum Franco-German, Parlamentul Franței, Președinția română a UE, Conferința Clusterelor UE, Summituri Globale ca Președinte pentru Technology Transfer Society, Marcus Evans, Kepler...*

** Evanghelist al Inovației pentru Corporații (Siemens, Valeo, EdF, SNCF, Veolia, Thales, Stelia...)*

** Autor a 4 cărți despre Inovație publicate de Editions Harmattan & Our Knowledge Publishing: 'J'innove donc je suis', 'Innover ou Périr', 'Tous Entre-Preneurs' și 'Sky is no longer a limit'*

Publicații de Economie a Inovației - Journal of Knowledge Management, Journal of Innovation Economics, Springer's Innovation Encyclopaedia, Wiley's Handbook of Innovation...

Publicații Științifice - Advanced Engineering Materials, Materials Science Engineering: A, Scripta Materialia, Aerospace Science and Technology Journal, International Journal of Fracture, Computing in Science and Engineering, American Society for Testing Materials, Journal of American Society of Acoustics, ...

Interviuri Publicate în Media de Top - Les Echos, l'Usine Nouvelle, Air & Cosmos, Aerospace Testing Magazine, MIT Sloan Community, Adevarul, Cariere, TVR, Look TV, Europe1, Association de la Presse Étrangère à Paris...

ACTIVITĂȚI VOLUNTARE

* Director al primei Conferințe Internaționale despre Imaginea României în Franța, Maison de la Radio, Paris, 2002

* Strategie pentru primul Summit de Afaceri Franco-Român în Senatul Francez, Palais de Luxembourg, Paris, 2002

* Co-fondator și consilier de dezvoltare pentru Congresul Profesioniștilor Multiculturali în Franța (eveniment anual din 2003 până în 2008 la UNESCO House, Paris)

RECOMANDĂRI + Referințe (vezi Anexa)

În știință:

- coordonator de cercetare Jason Nadler, GTRI, Georgia Tech (fost PostDoc)
- Dr Ing. E. BOUCHAUD – Director Departament R&D, CEA, Saclay (fost Coordonator PostDoc)
- Prof. Yves Brechet – CSO Saint-Gobin, fost Consilier Științific General CEA (Co-Director pentru studenții mei doctoranzi)

În politici publice, afaceri și economie:

- Philippe Etienne, Ambasadorul Franței în SUA, fost Consilier Diplomatic pentru Președinția Republicii Franța
- Henri Revol, fost Senator, Côte d'Or, Franța, fost Șef al comisiei parlamentare S&T
- Thierry Cambon, Senator, Șef al comisiei parlamentare pentru Apărare
- Dacian Ciolos, fost Președinte al Grupului RENEW Europe în Parlamentul UE
- Yann Barbaux, fost Chief Innovation Officer, Airbus
- Ronan Stephan, Chief Science Officer Plastic Omnium, fost DGRI/MESR în Franța...

DISTINCȚII:

-Speaker Invitat TedX despre Antreprenoriat și Inovație -
<http://www.youtube.com/watch?v=6I3GqItI3sw>,

- Membru Pilot în Juriul European Innovation Council
- Cavaler al Ordinului Național de Merit al Franței
- Distins ca una dintre cele 100 Personalități Românești pentru Centenarul României în 2018

ABILITĂȚI LINGVISTICE: Franceză (fluent), Engleză (fluent), Italiană (citit), Română (nativ)

HOBBY-URI: navigație, surfing, curse SUP, schi, rafting, gătit pentru prieteni

ANEXĂ - Listă de Publicații (extras)

11 Brevete - 3 pentru materiale multifuncționale, 1 pentru Radare, 1 pentru Proces Decizional de Inovație, 1 pentru Cameră de Combustie cu Geometrie Variabilă, 1 pentru Platformă de Evaluare, 4 pentru Stocare H2 Lichidă

Publicații Economice de Inovație și Conferințe:

- * Key Note despre “Provocarea IP într-o Lume de Inovație Deschisă”, WIPF 2022
- * Capitolul 20, “Hibridizarea abordărilor Tech-Push și Market-Pull în procesele de inovație”, Handbook of Innovation, Wiley, 2021
- * Paun, 2018, “Noi Strategii pentru Inovație Deschisă; Agile Demo-Tech”, Președinte pentru Summitul Global R&D organizat de Qepler, Berlin, septembrie 2018
- * Paun, 2011, “De la Gestionarea Asimetriilor Informaționale către o Abordare Sistemică a Asimetriilor în Transferul de Tehnologie și Strategii de Inovație: O Analiză Economică a Strategiei IMM-urilor la ONERA – The French Aerospace LabTM”, IUP Publications, Journal of Knowledge Management, Vol.IX, No.4, Octombrie 2011 (<http://riifr.univ-littoral.fr/wp-content/uploads/2011/03/doc-237.pdf>)
- * Paun, Von Tunzelmann, Richard, 2012, “Asymmetries and dynamic interactive capabilities in technology transfer between ONERA - the French aerospace lab and SMES”, De Boeck University, Journal of Innovation Economics, pagini 103 - 137
- * Paun, F. și Richard, P., 2009, « Rolul instrumentelor colaborative în reducerea și compensarea asimetriilor relative la procesul de transfer de tehnologie. Studiu de caz asupra noii politici Onera – PME », în « Le Travail collaboratif. Une innovation générique », Marché & Organisations, édition Harmattan.

* Forum de l’Innovation RRI, 2012 : Co-președinte :

http://www.cdcentreprises.fr/images/colloques/programme_04_06_2012.pdf

* Conferința Transfer Tehnologic 2011, Augsburg, : Președinte al Sesiunii Speciale pentru Practicieni “Impactul Instrumentelor și Practicilor Colaborative în procesul de Transfer Tehnologic”, <http://www.t2s-augsburg.com/t2s-2011-conference/special-sessions.html>

* Congres CURIE, Obiectivizarea valorii imateriale, Iunie 2012 (<http://www.congres-curie.fr/Mardi-5-Juin.html?lang=fr>)...

Publicații Tehnico-Științifice

* S. Gasser, Yves Bréchet, F. Paun - Materials Design for Acoustic Liners - an example of Tailored Multifunctional Materials - Advanced Engineering Materials, 6 (1-2), 97-102 (2004)

* S. Gasser, F. Paun, Y. Bréchet - Finite Elements computation for the elastic properties of a regular stacking of hollow spheres - Materials Science Engineering A, Volume 379, Issues 1-2, 15 August 2004, Pages 240-244

* S. Gasser, F. Paun, L. Riffard, Y. Bréchet - Macroplastic yield condition for a periodic stacking of hollow spheres - Scripta Materialia 50 (2004) 401-405

* F. Paun, L. Leylekian, S. Gasser - Design of materials for noise reduction in aircraft engines - Aerospace Science and Technology Journal, AST 7 (2003) 63-72

* S. Gasser, F. Paun, A. Cayzele, Y. Bréchet - Uniaxial tensile elastic properties of a regular stacking of brased hollow spheres - Scripta Materialia 4 (2003) 1617-1623

* F. Paun, E. Bouchaud - Morphology of damage cavities in aluminium alloys - International Journal of Fracture 121:43-54, 2003

* E. Bouchaud, F. Paun - Fracture and Damage at a Microstructural Scale - Computing in Science and Engineering, September –October 1999

* R. Chieragatti, F. Paun – New type of experimental method in multiaxial thermo-mechanical fatigue of materials with a high cycling frequency – STP 1371, Thermo-mechanical Fatigue Behavior of Materials : Third Volume, ASTM Paper ID 5568...

Speaker la Conferințe Științifice

* Yannick Girard (EADS), Florin Paun - Design of cellular materials for multifunctional applications - 20th AAAF Colloquium on Materials in Aerospace, November 24-26, 2003

* R. Chieragatti, F. Paun - New type of experimental method in multiaxial thermo-mechanical fatigue of materials with a high cycling frequency - Third Symposium on Thermomechanical Fatigue Behavior of Materials, American Society for Testing Materials, Nov. 4-5, 1998, Norfolk, Virginia, USA

* Florin PAUN, Alexandre AZOUZI - Thermo-mechanical History of a Friction Stir Welded Plate; Influence of the Mechanical Loading on the Residual Stress Distribution - NUMIFORM 2004, Columbus, OHIO, USA, 7-9 Juin, 2004

* Florin PAUN, Jason NADLER - Potential applications of Hollow sphere-based multifunctional materials: artificial bone cores - BIOMED 2004, Bucarest, Roumanie, 4-7 Novembre 2004

* F. Mamoud, F. Paun, Y. Bréchet - A new method for modelling a Nickel material elastic mechanical behaviour by using a finite-element simulation - EUROMECH: Mechanical behavior of cellular solids, Nancy, France, June 7-10, 2004

* J.H. Nadler, A. Boyer, F. Paun, P. Josso, M.-P. Bacos, Y. Bréchet, Current Issues in the Processing of Superalloy Foams, EUROMECH: Mechanical behavior of cellular solids, Nancy, France, June 7-10, 2004

* S. Gasser, F. Paun, F. Simon - Experimental Investigation of Acoustic Absorption of a rigid Porous material experiencing a high thermal gradient - Internoise 2003 Seogwipo, Corée Sud

* On the elasticity of hollow sphere metal foam, Florin Paun, Stéphane Gasser, Yves Bréchet - EUROMAT 2003, Lausanne, Suisse, September 1-4, 2003

* E. Bouchaud, F. Paun, E. Ducourthial – Damage and crack propagation at a microstructural scale , Material Research Society '99 Fall Meeting, Boston, USA, Nov. 29 – Dec. 3 1999

* F. Paun, E. Bouchaud - A quantitative roughness analysis of tension damage cavities - EUROMAT'99, European Congress in Advanced Materials and Technology, 26 - 30 Septembre, Munchen, Allemagne

* R. Chieragatti, F. Paun, D. Fournier, J. C. Lautridou, L. Lelait - Communication, pp 1623-1630 - New type of experimental method in thermo-mechanical fatigue of materials with a high cycling frequency - THERMEC'97, Wollongong, Australia, july '97, International Conference on Thermomechanical Processing of Steels & Other Materials, edited by T. Chandra and T. Sakai, The Minerals, Metals & Materials Society, 1997

* R. Chieragatti, J. Lagorsse, F. Paun, R. Barriol - Poster - Simulation par éléments finis de champ thermique d'un tube soumis à une flamme : application à un nouveau banc de fatigue thermomécanique, SFT'97, Congrès Français de Thermique, Toulouse, France, mai 1997

* R. Chieragatti, J. Lagorsse, F. Paun, D. Fournier, J. C. Lautridou, L. Lelait - Communication, pp 99-100 - Etude de validation d'un nouveau banc d'essai en FTM - CANCAM'97, Le 16e Congrès Canadien de Mécanique Appliquée, Québec, Canada, iun.1997

* F. Paun - Rapport de faisabilité d'un banc d'essai en fatigue thermo-mécanique à fréquence de cyclage élevée - Commande de recherche Electricité De France Nr. T41/7 E.6085, décembre 1995 - confidentialité industrielle

* R. Chieragatti, F. Paun, G. Degallaix et J. F. Flavenot - Communication - pp 197-206, Vol. N. 9 - Influence d'un polissage mécanique sur la tenue en fatigue d'éprouvettes en alliage d'Aluminium 7075 - 8ème Journées de Printemps de la SF2M : Fatigue et traitements de surface - Paris, France, 30-31 mai 1995

ADDENDUM - REFERINȚE

Industrie (coordonate la cerere):

Yann Barbaux, Vicepreședinte Senior, Chief Innovation Officer Airbus, Președinte Aerospace Valley / Bruno Sainjon, Președinte ONERA / Michel Fiat, Înalt Consilier Thales Alenia Space, fost Președinte Cluster SAFE / Jean-Marc Brunel, Chief IP Officer, Grupul Safran / Jean-Brice Dumont, CEO Airbus D&S, fost CTO Airbus / Yannick Assouad, Vicepreședinte Thales, fost CEO Latécoère / Serge Berenger, CIO Latécoère / Jean-Claude Volot, PDG Dedienne Aerospace, Vicepreședinte GEAD / Marie-Noelle Semeria, Director R&D, Grupul Total, fost CEO CEA-LETI / Jean-Luc Beylat, Președinte Nokia-Bell Labs, Clusterul Systematic și Asociația Polilor de Competitivitate din Franța / Ronan Stephan, CSO Plastic Omnium, fost CIO Alstom, fost DGRI la MENSUR, fost Președinte UTC / Georges Pelsemaeker, CEO Valeo Incubator, fost CEO Valeo „Health and Well Being” / Neculae Banea, Director General IAR Brașov, fost Secretar de Stat pentru Industria de Apărare România / Florin Talpeș, Fondator și CEO Softwin, BITDEFENDER / Bertrand Florentz, Director R&D Aerospace Hutchinson / Cornel Olendrar, Vicepreședinte Senior Excelență Operațională, Alianța Renault-Nissan / Cătălin Fotache, Vicepreședinte Senior Programe, UTC; ...

Ecosisteme de inovație, Franța și internațional (la cerere):

BPI, SATT, AI Carnot, Fraunhofer, ANRT, CEA-Tech, CETIM, IFFSTAR, French-Tech, Start-Up (50+), Polii de Competitivitate, Asociații UE, universități din SUA (GaTech, UCF, Akron), INCAS, ROSA, JAXA, T2S...

Politicieni (Franța, România, Indonezia):

Consilieri la Elysee, Deputați, Senatori, foști Miniștri din Franța; Consilieri la Administrația Prezidențială, Deputați și Miniștri din România; Business Innovation Center, Indonezia.

Membru al Consiliului Național pentru Antreprenoriat și Inovație, România.

Membru al Școlii de Inovație și al Clubului IMM al ANRT.

BIO DR. FLORIN PĂUN

Peste 500 de contracte de transfer tehnologic din cercetarea aerospațială și de apărare către sectoare civile precum sănătatea, mediul, mobilitatea etc.

Peste 1000 de companii mari și peste 10 rețele, ecosisteme, clustere de start-up-uri inovatoare, IMM-uri, autorități locale și peste 5 guverne utilizează instrumentele și strategiile sale inovatoare: DRL-TRL, Protocolul de Transfer Tehnologic și Agilizare a Inovației Paun, instrumentele de compensare a asimetriilor, diagnosticul Mangrove Value Chain Distribution etc.

„Mai mult de 50% dintre IMM-urile și companiile franceze care au accesat fonduri EIC pentru inovație în ultimii 5 ani sunt consiliate de Dr. Florin Păun. Franța este țara lider în accesarea fondurilor EIC în ultimii ani.”

Cavaler al Ordinului Național de Merit pentru contribuția sa științifică la evoluția strategiilor și instrumentelor de inovație în Franța (completând teoriile a doi laureați ai Premiului Nobel, Stiglitz și Sen, dar și instrumentele de Open Innovation ale lui Chesbrough și NASA (TRL), cu noile sale instrumente DRL, TREL-DRL, compensarea asimetriilor în procesele colaborative etc.).

Descoperirea unei noi tipologii de inteligență artificială - IA Calificativă (QuAI), care completează Paradoxul lui Condorcet și Teoria lui Arrow, reducând amprenta ecologică a furnizorilor și utilizatorilor de AI generativă, asigurând astfel o tranziție digitală compatibilă cu obiectivele ecologice și sociale și securizând identitățile digitale.



Dr. Florin Păun este unul dintre primii 10 experți francezi-români – expert european EIC, singurul Cavaler al Ordinului Național de Merit pentru contribuția sa la evoluția strategiilor și instrumentelor de inovație (cercetările sale au completat teoriile a doi laureați ai Premiului Nobel – Stiglitz și Sen și instrumentul NASA „TRL” cu instrumentul său „DRL” Demand Readiness Level pentru a urma sfaturile sale privind strategiile naționale de inovație „Agilizare” și „Hibridarea Tech-Push și Market-Pull” care face eficiente Poliile, Clusterelor, SATT etc.).

Mai multe detalii:

Abilități multidisciplinare recunoscute în Franța și internațional de către colegii săi și de către factorii de decizie și practicieni pentru contribuțiile sale științifice și în domeniul inovației și dezvoltării durabile, inclusiv descoperirile sale pentru reducerea datelor false și a fluxurilor de date în utilizarea AI generative (descoperirea sa a AI CALIFICATIVE, fondator al Deeptech Xvaluator), descoperirile sale în utilizarea naturii fractale a suprafețelor de rupere, tehnologiile sale pentru materiale absorbante de zgomot, soluțiile pentru hidrogenizarea transporturilor, strategiile și instrumentele sale eficiente pentru „agilizarea” proceselor de inovație colaborativă și Transferul Tehnologic (peste 500 de contracte de transfer tehnologic).

Consilier științific și Șef al IP & Strategiilor Tehnologice ale grupului Aresia, Florin Păun este inginer aerospațial de la Politehnica din București, X90 în Programul Internațional al Ecole Polytechnique și deține un doctorat în Inginerie Mecanică de la UPS din Toulouse. A completat formarea cu un Executive în Management și Leadership de la MIT Sloan.

Florin s-a dedicat cercetării și dezvoltării timp de aproximativ douăzeci de ani la ONERA, unde a devenit Director de Inovație Industrială. A condus activitățile de modelare a materialelor și structurilor, inclusiv un contract cu DARPA (SUA), și apoi a lansat activitățile de transfer tehnologic, IP și export ale Biroului. Florin a contribuit la definirea modelului de afaceri și la lansarea IRT și SATT în cadrul diverselor comisii naționale. A contribuit la lansarea Clusterului de Competitivitate SAFE ca Director de Strategie și Dezvoltare. Autor al scalei DRL – Demand Readiness Level și DRL-TRL, completând scala NASA TRL pentru noile strategii de hibridare a abordărilor Tech-Push și Market-Pull ale guvernelor regionale și rețelelor de afaceri.

Cavaler al Ordinului Național de Merit din Franța și ales printre cele 100 de personalități românești care onorează România în timpul Centenarului 2018, Florin este și Business Angel, antreprenor, profesor al propriilor cursuri la Școlile Europene de Management și Inovație de 10 ani, precum și coach pentru start-up-uri cu IoT Tribe, Cluj IT Cluster și ANRT, membru al Juriului Consiliului European pentru Inovație Accelerator, Transition, Pathfinder, Expert Due Diligence EIC... și profesor la Școala de Aer, ISAE, ENAC, Toulouse Business School...

Prin munca sa de cercetare, autor de cărți și articole științifice, Florin a completat teoriile a doi laureați ai Premiului Nobel, Stiglitz și Sen, prin descoperirea mai multor „asimetrii” în procesele foarte collaborative, precum inovația și educația, pe lângă asimetria informațională a lui Stiglitz valabilă în cazul proceselor de tranzacționare și, mai presus de toate, a dezvoltat instrumente inovative pentru reducerea sau compensarea acestor asimetrii – culturale, temporale, mijloace, interese etc. pentru „agilizarea” proceselor de inovație și organizare și, prin urmare, crearea de noi centre de creare a valorii partajate, esențiale pentru reindustrializarea Europei prin noi capabilități dinamice pentru personalizarea ofertelor, datorită și inovațiilor deschise și instrumentelor AI precum Deeptech Xvaluator, pe care l-a creat cu un patent obținut în 2019 și o evaluare de peste 5 milioane de euro, certificată INPI prin IPTrust.

Fondator al Summitului European de la Paris din 2002 (la care au participat de-a lungul timpului mai mulți președinți de stat, miniștri, președinți ai Băncii Mondiale, senatori, deputați și lideri ai unor grupuri mari - <https://www.interviewfrancophone.net/sommet-europeen-2022-palais-luxembourg>), care evidențiază personalități care inspiră apreciere pentru Franța în diaspora științifică și de inovație și încurajează colaborarea științifică și de inovație bazată pe învățăturile Declarației Drepturilor Omului, Florin Păun este unul dintre cei mai apreciați și inspirați oameni de știință și experți în inovație din diaspora europeană în Franța – România – un partener de încredere al Franței – pentru a încuraja noile generații să investească efortul personal pentru inovațiile în slujba umanității.

Astfel, cele mai recente patente și lucrări de cercetare se află în domeniul soluțiilor tehnologice de susținere a hidrogenizării transportului și economiilor, precum și a colaborării europene cu viziunea că România poate deveni principalul producător european de gaze și, datorită colaborării franco-române, ar putea deveni un partener de încredere pentru producția de hidrogen turcoaz și chiar Combustibil Alternativ Sintetic – SAF.

Mesaje din partea personalităților despre rolul Dr. Florin Păun și abilitățile sale:

Denis Mercier: <https://florin-paun.com/2022/10/21/message-de-denis-mercier-pour-la-ceremonie-de-decoration-avec-lordre-national-du-merite-pour-ma-contribution-a-linnovation-francaise-europeenne/>

Yann Barbaux: <https://florin-paun.com/2022/10/21/message-de-yann-barbaux/>

Michel Fiat: <https://florin-paun.com/2022/10/21/message-de-michel-fiat-ancien-president-pole-safe/>

Bruno Sainjon, Președinte ONERA: <https://florin-paun.com/2022/10/21/message-de-bruno-sainjon-pour-la-ceremonie-de-decoration-avec-lordre-national-du-merite/>

Discursul lui Ronan Stephan în cadrul ceremoniei de înmânare a Ordinului Național de Merit pentru Dr. Florin Paun: <https://youtu.be/QLFPVqzu3-s>

Discursul senatorului Henri Revol menționându-l pe Dr. Florin Paun, Fondatorul și Președintele Summitului European Franco-Român, ediția 2022: <https://youtu.be/ixfrWTuFjaA>

Discursul senatorului Bernard Fournier la Summitul European Franco-Român de la Paris 2022 – alături de Președintele Grupului de Prietenie Franța-România, Bernard Fournier: https://youtu.be/R_nJ9JAK5mc

TRAINING:

Dr. Florin Păun este economist în inovație (Școala Doctorală în Economie și Inovație la Universitatea Littorale Côte d'Opale), a obținut un Certificat Executiv în Management și Leadership de la MIT Sloan School of Management, Boston, 2007, doctoratul în specialitatea „Inginerie Mecanică” cu distincția „FOARTE ONORABIL” la Universitatea Paul Sabatier ENSICA, Toulouse, 1998, după DEA (șef al sesiunii iulie 1994 cu distincția „FOARTE BINE”) în specialitatea „Inginerie Mecanică” la ISAE și un Master în Inginerie Aerospațială la Facultatea de Aeronautică din București și Certificatul „Științe ale Ingineriei” în cadrul Programului Internațional de la Școala Politehnică din Palaiseau, 1993. În 1987 a fost membru al echipei olimpice extinse a României la Fizică (competiții generale).

Prezentare pe scurt:

Fondator al Deep tech Xvaluator în 2015, al cărei inovație este deja recunoscută de colegii săi (patent, mai multe articole științifice, inclusiv în Springer) în domeniul dezvoltării modelelor de calificare în interdependență cu modelele de inovație și modelele economice, în special în direcția unei economii a funcționalității pentru a decupla creșterea economică de amprenta ecologică. Xvaluator este membru al Alianței pentru Încredere Digitală, al Polului Finanțelor Inovative și a contribuit deja la primul Raport Francez AI (inițiat de fostul ministru Axel Lemaire) și a organizat mai multe Conferințe Xvaluator pe tema importanței creării de Relevanță și Încredere, cu participarea unor personalități precum Primarul și fostul Deputat Andre Santini sau Pierre Pelouzet, Mediatorul de Afaceri, Senatorul Henri Révol, fost președinte al Biroului Parlamentar pentru Evaluarea Alegerilor Științifice și Tehnologice.

Dr. Florin Păun a descoperit în cercetările sale pentru start-up-ul său Deep-tech Xvaluator noua tipologie de AI – „AI CALIFICATIVĂ” (patent obținut în 2019, dar și articole științifice, întrucât aceste descoperiri completează Teorema Condorcet și a lui Arrow) capabilă să reducă datele false și fluxurile de date (cu o amprentă ecologică mare) în utilizarea AI generative („regina minciunii și a datelor sintetice”), platformele de audiență, rețelele

sociale. Într-adevăr, calificarea AI Xvaluator este o inovație disruptivă capabilă să răspundă problemelor urgente și strategice pentru afaceri și societăți, dar și problemelor de suveranitate pentru societăți: securitate cibernetică, necesitatea de a reduce datele false, părtinitoare și violența pe platformele de audiență, rețelele sociale și în utilizarea AI generative care se va accelera și mai mult în următorii ani.

Alte impacturi pozitive ale AI Calificative în domeniul Finanțelor Verzi, consultarea eficientă și integrarea impacturilor percepute de toți factorii interesați într-un mod democratic pentru luarea deciziilor, sunt confirmate prin lucrările sale de cercetare și inovație recunoscute de colegii săi și de factorii de decizie prin conferințele sale (Rețeaua de Cercetare Inovațională, HI-Team etc.) și articole științifice.

<https://www.openscience.fr/L-intelligence-artificielle-qualificative-quai-Quand-l-intelligence>

Astfel, AI-ul de calificare (QuAI) și instrumentul său generic (sursa) deschid căi de cercetare și dezvoltare în domeniul calificării datelor de opinie și impact, prin deschiderea unor domenii de posibilități cu multiple aplicații în evoluția managementului digital al relațiilor cu clienții, având în vedere dezinformarea de către platformele de audiență, posibilitățile de remunerare a valorii extra-financiare pentru consolidarea Finanțelor Verzi, reducerea datelor false și părtinitoare, violența pe platforme și rețelele sociale, re apropierea de datele proprii de opinie și impact de către fiecare utilizator digital (compatibile cu GDPR) și evaluarea participativă și securitatea acestora, în special datorită „Vocabularului Ontologic Xvaluator”, „Portofelului Personalizat Xvaluator al Datelor de Opinie și Impact”, „Amprentei Xvaluator LIKE” (brevet obținut în 2019), susținerea luării deciziilor prin consultare eficientă și foarte colaborativă, democratică, cu toți părțile interesate, democratizarea instrumentelor de publicitate și marketing pentru reziliența afacerilor și a indivizilor, reducerea fluxurilor de date în timpul utilizării AI Generative, în special prin reducerea amprente ecologice.

Xvaluator are deja o evaluare de peste 5 milioane de euro, certificată de IPTrust INPI și a fost selectată de Regiunea Occitanie pentru un grant de 500.000 de euro pentru proiectul de cercetare și inovare Xvaluator MVP.

Ca Director al Inovației Industriale la ONERA a evoluat cultura acestei organizații de la o „cultură de cercetare doar” la o „cultură de cercetare și inovare”, cu o strategie de transfer tehnologic din domeniul apărării către domeniul civil, inventând și implementând „contractul cu riscuri și beneficii împărțite” (utilizat astăzi de Polii, SATT și grupurile mari), precum și strategiile și instrumentele de „hibridizare a Tech-Push și Market-Pull”.

În calitate de Director al Științei, Parteneriatelor și Strategiei Proprietății Intelectuale la ARESIA, Dr. Florin Paun contribuie activ (cu propriile sale brevete și sprijinind obținerea de brevete pentru echipă) la inovațiile industriale, în special în domeniul hidrogenizării transportului și economiilor, datorită descoperirilor și brevetelor care elimină barierele tehnologice și oferă soluții pentru suveranitatea energetică națională și europeană. Comisarul European, doamna Adina Vălean, și Președintele Intergrupului „Cer și Spațiu” din Parlamentul European, domnul Jean – Marian Marinescu, au subliniat recent importanța muncii de cercetare și inovație a Dr. Florin Paun în domeniul cooperării europene pentru inovație și suveranitatea europeană.



Ph.D. MSc. Florin Calin PAUN

www.florin-paun.com, e-mail : info@florin-paun.com

French & Romanian citizen, Born 1969, Alba-Iulia, Romania

**CSO ARESIA | EIC; Pathfinder, Transition, Accelerator, Due Diligence & Scale-up
Mentor | Innovation Leader 20+ Yrs of disrupting tech & business model | 3x
Founder | TEDx & Global Speaker | Author DRL vs TRL| Investor**

PROFESSIONAL EXPERIENCE

- * **Since 1st of July 2021 – Chief Science & Partnerships Officer for the Industrial Group ARESIA,**
 - *Bring the activities of the Group towards an equilibrium of 50% Defense and 50% Civilian, e.g. liquid H2 tech.*
- * **2015 to Present - Co-founder since December 2015 of the Deeptech Xvaluator** (patent obtained in 2019)
 - *Generic innovation of “Qualifying AI” (Paun, 2023) reducing the ecological footprint of digital uses, Generative AI by collaboratively reducing the flow of false and dangerous data*
- * **2020 to Juin 2021 – Secapem Innovation Architect and Head of Smart Special Projects Unit**
 - *launching AI Based Virtual Instructor for Pilots, launching low-cost Aggressor like Radar simulator for Red-Air*
- * **2019 to 2021 – Technology Head of Mission SAFE Cluster & Coach IoT Tribe Accelerator SpaceEnd**
- * **2018 to 2020 – Selected to become Program Manager for JEDI (Joint European Disruptive Initiative)**
- * **2018 to Present – Founder Agilising Innovation: Advisory for SMEs** (Ecosys, QuantCube, Energisme, Sophia Engineering, Nawa Tech, Numalis...), **Mentoring for Scale-Up Accelerator** (Xans, Pegase Croissance), **Strategist for Professional Networks** (Think Smart Grids), **Strategist for Public R&D Institutions** (ONERA,...)
 - *Development of Integrated Intelligence EcoSystem (building the European Palantir Technologies competitor), Implementation of Crossing the Chasm Accelerator type, Xfertilisation, Implementation of Demo-Tech Programs, Transformation to Growth Management, Business Model Consolidation*
- * **2017 to 2018 – Group Innovation Director, Akka Technologies SA**
 - *Definition and Implementation of Agile Demo-Tech Strategy & Activity.*
 - *Shaping Ecosystems towards 7 industrial domains, Change Management, Cultural Transformation, Training...*
- * **2016 – 2017 - Development & Strategy Director, Competitiveness Cluster SAFE**, EU leader in providing Security solutions based on aerospace technologies with more than 500 members (groups, SMEs, Start-ups& Labs)
 - *Strategy Definition and Activity Implementation, Supervising Pegase Croissance Accelerator*
 - *Launching of the Open Innovation Charter & Club with PACA Region, DGA, 14+ Groups and 60+ SMEs*
 - *Leading Hands-on Export missions: e.g. support Airbus Helicopters Ro to set a local supply chain 10+ SMEs*
- * **2005 – 2018 - Industrial Innovation & New Business Director, Onera-The French Aerospace LabTM**
Creation, development and management for all technology transfer encompassing licensing, new business development, branding, intellectual property valuation and SME-related activities (standby 2013-2015 for launching Onera-Tech-Capital accelerator ecosystem) – 200+ Projects, 70+ TechTransfer, 2000 Jobs creation
 - *Defining and Implementing Automotive, Energy, Med-Tech and International Aerospace Business Development Strategy, Defining and Implementing Technology Transfer Office, Strategy and Tools to strengthen ONERA–SME relations, IP Valuation and Strategy for Technology based Clustering (Integrator X Suppliers X Clients)*
 - *Supporting business development and leading negotiator, team building, interim Business Dev. Director,*
 - *Representing ONERA in different instances of governance for innovation actors and strategic professional networks supporting SME and R&D (GIFAS, Open Innov. Medef, Carnot, CURIE...)*
- * **1999 – 2005 - Research Coordinator** in Smart Sensored Multifunctional Structures & Materials, Processing, High Temperature Structures & Materials - ONERA, Châtillon, France
 - *Research coordinator: team leader, negotiation, management of research programs*
 - *DARPA Technology Officer, DGA, R&D Ministry, Airbus, Safran...*
 - *Head of Mechanical Tests Unit for the Department of Metallic Materials and Processing*
 - *Scientific Events organiser: Journée Scientifique de l'ONERA - Matériaux absorbants Acoustique - 16 January 2003, AAAF - 20th Colloquium on Materials in Aerospace, 23-25 November*

- * **1998 – 1999 – Post-Doctorate**, Onera, Failure Expertise Tool based on Fractal's Analysis of Crack Surfaces
- * **1994 – 1998 – PhD** under R&D proposed & negotiated contract on Thermomechanical Fatigue with SNECMA, Turbomeca & EDF at Ecole Nationale Supérieure d'Ingénieurs en Constructions Aéronautiques, Toulouse, France

EDUCATION (dual profile Innovation Economics and Multidisciplinary Scientist)

- * 2006 – 2007: Massachusetts Institute of Technology – MIT Sloan School of Management
- ***Executive Certificate 'Management & Leadership'***
- * 1994 - 1998 : Paul Sabatier University - Ecole Nationale Supérieure d'Ingénieurs de Constructions Aéronautiques, Toulouse, France (Tres Honorable Mention)
- ***PhD in Aerospace*** – in Thermo-Mechanical Fatigue of Materials and Fluid Mechanics
- * 1993 - 1994 : Ecole Nationale Supérieure d'Ingénieurs de Constructions Aéronautiques, Toulouse
- ***Master of Science*** in «Génie Mécanique» (major of July 1994 session – Tres Bien mention)
- * 1993: Ecole Polytechnique, Palaiseau
- ***Certificate in Engineering Science*** with the 'International Program' (Honorable mention)
- * 1988 - 1993: University 'Polytechnics' Bucharest, Romania
- ***Master of Science in Aerospace*** - (ranking the 3rd out of 120 students with 9.74/10 score)
- * 1987: **Member** of Romanian under 18 **Olympic Team in Physics**

TEACHING: Self Authored Innovation Strategies - ISAE, ENAC, Ecole de l'Air & Aerospace MBA at TBS

PUBLICATIONS (see addendum for list)

- * Global Speaker on Innovation & IP Practices: Forum Franco-Allemand, FR Parliamentary, UE Ro presidency, UE Cluster Conference, Global Summits as Chairman for Technology Transfer Society, Marcus Evans, Kepler...
- * Innovation Evangelist for Corporations (Siemens, Valeo, EdF, SNCF, Veolia, Thales, Stelia...)
- * Author of 4 books on Innovation published by Editions Harmattan & Our Knowledge Publishing: 'J'innove donc je suis', 'Innover ou Périr', 'Tous Entre-Preneurs' and 'Sky is no longer a limit'

Innovation Economics publications - Journal of Knowledge Management, Journal of Innovation Economics, Springer's Innovation Encyclopaedia, Wiley's Handbook of Innovation...

Scientific publications - Advanced Engineering Materials, Materials Science Engineering: A, Scripta Materialia, Aerospace Science and Technology Journal, International Journal of Fracture, Computing in Science and Engineering, American Society for Testing Materials, Journal of American Society of Acoustics, ...

Published Interviews with Leading Media Outlets - Les Echos, l'Usine Nouvelle, Air & Cosmos, Aerospace Testing Magazine, MIT Sloan Community, Adevarul, Cariere, TVR, Look TV, Europe1, Association de la Presse Étrangère à Paris...

VOLUNTARY ACTIVITIES

- * Director of first International Conference on Image of Romania in France, Maison de la Radio, Paris, 2002
- * Strategy for first French–Romanian Business Summit in the French Senate, Palais de Luxembourg, Paris, 2002
- * Co-founder and development adviser for the Congress of Multicultural Professionals in France (annual event from 2003 to 2008 in UNESCO House, Paris)

RECOMANDATIONS + References (see Addendum)

(in science)

- Research Coordinator, Jason Nadler, GTRI, Georgia Tech (former PostDoc)
- Dr Ing. E. BOUCHAUD – R&D Department Director, CEA, Saclay (former PostDoc Coordinator)
- Prof. Yves Brechet – CSO Saint-Gobin, ex-General Scientific Advisor CEA (Co-Director for my PhD students)

(in politics, business and economic affairs)

- Philippe Etienne, French Ambassador USA, ex-Diplomatic Advisor for the France Republic Presidency
- Henri Revol, former Senator, Côte d'Or, France, former Head of S&T parliamentary commission
- Thierry Cambon, Senator, Head of Defense parliamentary commission
- Dacian Ciolos, ex-President RENEW Europe EU parliamentary Group
- Yann Barbaux, ex -Chief Innovation Officer, Airbus
- Ronan Stephan, Chief Science Officer Plastic Omnium, former DGRI/MESR in France...

HONORS : - TedX Invited Speaker on Entrepreneurship and Innovation - <http://www.youtube.com/watch?v=6I3GqItI3sw>,
- European Innovation Council Jury Pilot Member - Chevalier de l'Ordre National de Mérite
- Awarded 100 Romanian Personalities for the Romania Centenary in 2018

LANGUAGE SKILLS: French (fluent), English (fluent), Italian (reading), Romanian (native)

HOBBIES: sailing, surfing, SUP Race, skiing, rafting, cooking for friends

ADDENDUM - List of Publications *(extract)*

11 Patents - 3 on Multifunctional materials, 1 on Radars, 1 on Innovation Process Decision Making, 1 on Variable Geometry Combustion Chamber, 1 on Evaluation Platform, 4 on Liquid H2 Storage

Innovation Economic Publications and Conferences:

- * Key Note on “IP Challenge in an Open Innovation World”, WIPF 2022
- * Chapter 20, “Hybridisation of Tech-Push and Market-Pull approaches in Innovation processes”, Handbook of Innovation, Wiley, 2021
- * Paun, 2018, “New Strategies for Open Innovation; Agile Demo-Tech”, Chairman for Global R&D Summit by Qepler, Berlin, September 2018
- * Paun, 2011, “From Managing Informational Asymmetries Towards a Systemic Asymmetries Approach in Technology Transfer and Innovation Strategies: An Economic Analysis of the SME Strategy at ONERA – The French Aerospace LabTM”, IUP Publications, Journal of Knowledge Management, Vol.IX, No.4, October 2011 (<http://rii.fr.univ-littoral.fr/wp-content/uploads/2011/03/doc-237.pdf>)
- * Paun, Von Tunzelmann, Richard, 2012, “ASYMMETRIES AND DYNAMIC INTERACTIVE CAPABILITIES IN TECHNOLOGY TRANSFER BETWEEN ONERA - THE FRENCH AEROSPACE LABTM AND SMES”, De Boeck University, Journal of Innovation Economics, pages 103 - 137
- * Paun, F. et Richard, P., 2009, « Rôle des outils collaboratifs dans la réduction et la compensation des asymétries relatives au processus de transfert de technologie. Etude de cas sur la nouvelle politique Onera – PME », in « Le Travail collaboratif. Une innovation générique », Marché & Organisations, édition Harmattan.
- * Forum de l'Innovation RRI, 2012 : Co-chairman : http://www.cdcentreprises.fr/images/colloques/programme_04_06_2012.pdf
- * Technology Transfer Conference 2011, Augsburg, : Chairman of the Practitioners Special Session “The impact of Collaborative Tools and Practices in Technology Transfer process “, <http://www.t2s-augsburg.com/t2s-2011-conference/special-sessions.html>
- * Congres CURIE, Objectiver la valeur de l'immatériel, Juin 2012 (<http://www.congres-curie.fr/Mardi-5-Juin.html?lang=fr>)...

Technical Scientific Publications

- * S. Gasser, Yves Bréchet, F. Paun - Materials Design for Acoustic Liners - an example of Tailored Multifunctional Materials - Advanced Engineering Materials, 6 (1-2), 97-102 (2004)
- * S. Gasser, F. Paun, Y. Bréchet - Finite Elements computation for the elastic properties of a regular stacking of hollow spheres - Materials Science Engineering A, Volume 379, Issues 1-2, 15 August 2004, Pages 240-244
- * S. Gasser, F. Paun, L. Riffard, Y. Bréchet - Macroplastic yield condition for a periodic stacking of hollow spheres - Scripta Materialia 50 (2004) 401-405
- * F. Paun, L. Leylekian, S. Gasser - Design of materials for noise reduction in aircraft engines - Aerospace Science and Technology Journal, AST 7 (2003) 63-72
- * S. Gasser, F. Paun, A. Cayzele, Y. Bréchet - Uniaxial tensile elastic properties of a regular stacking of braced hollow spheres - Scripta Materialia 4 (2003) 1617-1623
- * F. Paun, E. Bouchaud - Morphology of damage cavities in aluminium alloys - International Journal of Fracture 121:43-54, 2003
- * E. Bouchaud, F. Paun - Fracture and Damage at a Microstructural Scale - Computing in Science and Engineering, September –October 1999
- * R. Chieragatti, F. Paun – New type of experimental method in multiaxial thermo-mechanical fatigue of materials with a high cycling frequency – STP 1371, Thermo-

Invited Technical Scientific Conferences Guest Speaker

- * Yannick Girard (EADS), Florin Paun - Design of cellular materials for multifunctional applications - 20th AAAF Colloquium on Materials in Aerospace, November 24-26, 2003
- * R. Chieragatti, F. Paun - New type of experimental method in multiaxial thermo-mechanical fatigue of materials with a high cycling frequency - Third Symposium on Thermomechanical Fatigue Behavior of Materials, American Society for Testing Materials, Nov. 4-5, 1998, Norfolk, Virginia, USA

Technical Scientific Congresses

- * Florin PAUN, Alexandre AZOUZI - Thermo-mechanical History of a Friction Stir Welded Plate; Influence of the Mechanical Loading on the Residual Stress Distribution - NUMIFORM 2004, Columbus, OHIO, USA, 7-9 Juin, 2004
- * Florin PAUN, Jason NADLER - Potential applications of Hollow sphere-based multifunctional materials: artificial bone cores - BIOMED 2004, Bucarest, Roumanie, 4-7 Novembre 2004
- * F. Mamoud, F. Paun, Y. Bréchet - A new method for modelling a Nickel material elastic mechanical behaviour by using a finite-element simulation - EUROMECH: Mechanical behavior of cellular solids, Nancy, France, June 7-10, 2004
- * J.H. Nadler, A. Boyer, F. Paun, P. Josso, M.-P. Bacos, Y. Bréchet, Current Issues in the Processing of Superalloy Foams, EUROMECH: Mechanical behavior of cellular solids, Nancy, France, June 7-10, 2004
- * S. Gasser, F. Paun, F. Simon - Experimental Investigation of Acoustic Absorption of a rigid Porous material experiencing a high thermal gradient - Internoise 2003 Seogwipo, Corée de Sud
- * On the elasticity of hollow sphere metal foam, Florin Paun, Stéphane Gasser, Yves Bréchet - EUROMAT 2003, Lausanne, Suisse, September 1-4, 2003
- * E. Bouchaud, F. Paun, E. Ducourthial - Damage and crack propagation at a microstructural scale, Material Research Society '99 Fall Meeting, Boston, USA, Nov. 29 - December 3 1999
- * F. Paun, E. Bouchaud - A quantitative roughness analysis of tension damage cavities - EUROMAT'99, European Congress in Advanced Materials and Technology, 26 - 30 Septembre, Munchen, Allemagne
- * R. Chieragatti, F. Paun, D. Fournier, J. C. Lautridou, L. Lelait - Communication, pp 1623-1630 - New type of experimental method in thermo-mechanical fatigue of materials with a high cycling frequency - THERMEC'97, Wollongong, Australia, July '97, International Conference on Thermomechanical Processing of Steels & Other Materials, edited by T. Chandra and T. Sakai, The Minerals, Metals & Materials Society, 1997
- * R. Chieragatti, J. Lagorsse, F. Paun, R. Barriol - Poster - Simulation par éléments finis de champ thermique d'un tube soumis à une flamme : application à un nouveau banc de fatigue thermomécanique, SFT'97, Congrès Français de Thermique, Toulouse, France, 20-22 mai 1997
- * R. Chieragatti, J. Lagorsse, F. Paun, D. Fournier, J. C. Lautridou, L. Lelait - Communication, pp 99-100 - Etude de validation d'un nouveau banc d'essai en FTM - CANCAM'97, Le 16e Congrès Canadien de Mécanique Appliquée, Québec, Canada, 01-05 juin 1997
- * F. Paun - Rapport de faisabilité d'un banc d'essai en fatigue thermo-mécanique à fréquence de cyclage élevée - Commande de recherche Electricité De France Nr. T41/7 E.6085, décembre 1995 - confidentialité industrielle
- * R. Chieragatti, F. Paun, G. Degallaix et J. F. Flavenot - Communication - pp 197-206, Vol. N. 9 - Influence d'un polissage mécanique sur la tenue en fatigue d'éprouvettes en alliage d'Aluminium 7075 - 8ème Journées de Printemps de la SF2M : Fatigue et traitements de surface - Paris, France, 30-31 mai 1995

ADDENDUM - REFERENCES

Industry (coordinates on demand) - **Yann Barbaux**, Senior VP Chief Innovation Officer Airbus, Président Aerospace Valley; **Bruno Sainjon**, President ONERA; **Michel Fiat**, Haut Conseiller Thales Alenia Space, former Président Cluster SAFE; **Jean-Marc Brunel**, Chief IP Officer, Safran Groupe; **Jean-Brice Dumont**, CEO Airbus D&S, ex CTO Airbus; **Yannick Assouad**, VP Thales, ex CEO Latécoère; **Serge Berenger**, CIO Latécoère; **Jean-Claude Volot**, PDG Dedienne Aerospace, VP GEAD; **Marie-Noelle Semeria**, Directeur R&D, Groupe Total, former CEO CEA-LETI; **Jean-Luc Beylat**, Président Nokia- Bell Labs, Systematic Cluster and Association des Pôles de Compétitivité en Fr; **Ronan Stephan**, CSO Plastic Omnium, former CIO Alsthom, former DGRI au MENSUR, former President UTC; **Georges Pelsemaeker**, CEO Valeo Incubator, ex CEO Valeo « Health and Well Being »; **Neculae Banea**, Directeur General IAR Brasov, ex Secretar de Stat Industry of Defense Romania; **Florin Talpes**, Founder and CEO Softwin, BITDEFENDER; **Bertrand Florentz**, Aerospace R&D Director Hutchinson; **Cornel Olendrar**, SVP Operational Excellence, Renault-Nissan Alliance; **Catalin Fotache**, SVP Programs, UTC, ...

Innovation Ecosystems, France and International (on demand) - BPI, SATT, AI Carnot, Fraunhofer, ANRT, CEA-Tech, CETIM, IFFSTAR, French-Tec, Start-Up (50+), Pôles de Compétitivité, Associations UE, USA Universities (GaTech, UCF, Akron), INCAS, ROSA, JAXA, T2S...

Politicians (France, Romania, Indonesia) : *Conseillers à l'Elysée, Députés, Sénateurs, anciens Ministres in France, Consilieri la Administratia Presedentiala, Deputati si Ministri in Romania, Business Innovation Center, Indonesia*

Membre al Consiliului National pentru Entrepreneuriat si Inovatie, Romania

Membre de l'Ecole de l'Innovation et du Club PME de l'ANRT

BIO Dr. Florin Paun

- More than 500 Tech Transfer contracts from the Aerospace and Defense research to civil sectors like health, environment, mobility, etc.
- More than 1000 large companies, and more than 10 networks, Ecosystems, Clusters of innovative start-up, SMEs, local authorities and more than 5 Governments are using its own Innovative tools and strategies DRL-TL, Paun Tech Transfer and Innovation Agilization Protocol, Asymmetries Compensation tools, Mangrove Value Chain Distribution diagnostics, etc.
- "More than 50% of the French Smes and companies accessing the EIC funds for innovation in the last 5 years are coached by Dr. Florin Paun. France is the leading country in accessing EIC funds in the last years."
- Knight of the National Order of Merit for his scientific contribution to the evolution of innovation strategies and tools in France (complementing the theories of the two Nobel Prizes (Stiglitz and Sen), but also complementing the Open Innovation tools of Chesbrough and NASA (TRL) with its new tools (DRL, TREL-DRL, compensation of asymmetries in asymmetries in collaborative processes, etc.) but also the discovery of a new AI typology - Qualifying IA (QuAI) which complements the Condorcet Paradox and Arrow Theory and makes it possible to reduce the ecological footprint of suppliers and users of Generative AI, thus ensuring a digital transition compatible with ecological and social objectives, and securing digital identities.



Founder of the new AI typology (Xvaluator) – the QUALIFICATIVE AI to reduce the ecological footprint of suppliers and users of generative AI by reducing the flow of false and biased data and having thus been recognized as having completed the Condorcet Paradox and Arrow's theory.

Dr. Florin Paun is one of the first 10 French – Romanian experts – European EIC expert, the only Knight of the Order of Merit for his contribution to evolving innovation strategies and tools (his research complemented the theories of two Nobel Prize winners – Stiglitz and Sen and the NASA tool "TRL" with its "DRL" Demand Readiness Level tool to follow its advice on national innovation strategies "Agilization" and "Hybridation of Tech – Push and Market – Pull" which makes effective Poles, Clusters, Satt, etc.

More details:

Multidisciplinary skills recognized in France and internationally by his peers and by decision-makers and practitioners for these scientific contributions and innovation and sustainable development including his discoveries to reduce false data and flows during the use of the Generative AI, (his discovery of QUALIFICATIVE AI, founder of Xvaluator Deep tech), its discoveries of the uses of the fractal nature of rupture surfaces, its technologies for noise-absorbing materials, its solutions for the hydrogenation of transport, its effective strategies and tools for “agilization” of collaborative innovation processes and Technology transfer (more than 500 technology transfer contracts).

Science Advisor and Head of IP & Technology Roadmap of the Aresia group, Florin Paun is trained as an Aerospace Engineer from Politehnica in Bucharest, X90 in the International Program of the Ecole Polytechnique and holds a Doctorate in Mechanical Engineering from UPS In Toulouse. He completed his training with an Executive in Management and Leadership from MIT Sloan.

Florin immersed himself in R&D for around twenty years at ONERA, where he became Director of Industrial Innovation. He led the materials and structures modeling activities, including a contract with DARPA (USA), and then launched the Office's technology transfer, IP and export activities. Florin contributed to the definition of the business model and the launch of the IRT and SATT within the framework of the various national commissions. He contributed to the launch of the SAFE Competitiveness Cluster as Director of Strategy and Development. Author of the DRL scale – Demand Readiness Level and DRL-TRL completing the NASA TRL scale for New hybridization strategies of Tech-Push and Market-Pull approaches of regional governments, business networks, he has 50+ publications, around ten patents, more than 500 citations....

Knight of the National Order of Merit in France and chosen among the 100 Romanian personalities who honor Romania during the 2018 Centenary, Florin is also a Business Angel, entrepreneur, teacher of his own courses at European Schools of Management. innovation for 10 years, as well as coach of start-ups with IoT Tribe, Cluj IT Cluster and ANRT, member of the European Innovation Council Jury Accelerator, Transition, Pathfinder, EIC Fund Due Diligence Expert... and teacher at the School de l’Air, ISAE, ENAC, Toulouse Business School...

With his research work, author of books and scientific articles, Florin has completed the theories of two Nobel Prize winners, Stiglitz and Sen by having discovered several 'asymmetries' in highly collaborative processes such as innovation and education in addition to Stiglitz's information asymmetry is valid in the case of transaction processes and above all has developed innovative tools for reducing or compensating these asymmetries – cultural, temporality, means, interest, etc. for the “agilization” of innovation processes and organization and therefore the creation of new shared value creation centers, particularly essential for reindustrialization in Europe through new dynamic capabilities for personalizing offers thanks also to open innovations and AI tools like that of the Deeptech start-up Xvaluator which he created with a Patent obtained in 2019 and a valuation of more than 5 million by IPTrust certified INPI.

Founder of the European Summit in Paris in 2002 which highlights personalities who inspire appreciation for France in the scientific and innovation diaspora and encourages scientific and innovation collaboration based on French values inherited from Human Rights Man, Florin Paun is one of the most appreciated and inspiring scientists and innovation experts from the European diaspora in France – Romania – a reliable partner of France – to encourage new generations to invest their own personal effort for the innovations in the service of humanity.

Thus its most recent patents and research work are in the field of technological solutions supporting the hydrogenation of transport and economies as well as European collaboration with the view that Romania can become the leading European gas producer and thanks to Franco-Romanian collaboration could become a reliable partner for the leading production of turquoise hydrogen and even Synthetic Alternative Fuel – SAF.

Messages from personalities on the role of Dr. Florin Paun and his skills

Denis Mercier

<https://florin-paun.com/2022/10/21/message-de-denis-mercier-pour-la-ceremonie-de-decoration-avec-lordre-national-du-merite-pour-ma-contribution-a-linnovation-francaise-europeenne/>

Yann Barbaux

<https://florin-paun.com/2022/10/21/message-de-yann-barbaux/>

Michel Fiat

<https://florin-paun.com/2022/10/21/message-de-michel-fiat-ancien-president-pole-safe/>

Bruno Sainjon, President ONERA

<https://florin-paun.com/2022/10/21/message-de-bruno-sainjon-pour-la-ceremonie-de-decoration-avec-lordre-national-du-merite/>

Discours de Ronan Stephan lors de la ceremonie de remise de l'Ordre National du Merite pour Dr. Florin Paun

<https://youtu.be/QLFPVqzu3-s>

Discours Senateur Henri Revol mentioning Dr. Florin Paun, le Fondateur President du Sommet européen franco-roumain , edition 2022

<https://youtu.be/ixfrWTuFjaA>

Discours Senateur Bernard Fournier au Sommet Européen Franco roumain a Paris 2022 - avec le Président du Groupe d'Amitié France Roumanie Bernard Fournier

https://youtu.be/R_nJ9JAK5mc

Training

Dr. Florin Paun is an innovation economist (Doctoral School in Economics and Innovation at the University of Littorale Côte d'Opale), obtained an Executive Certificate in Management and Leadership from the MIT Sloan School of Management, Boston 2007, his doctorate Specialty "Mechanical Engineering" with distinction "VERY HONORABLE" at Paul Sabatier University ENSICA, Toulouse 1998 after his DEA (major of the July 1994 session with distinction "VERY GOOD") specialty "Mechanical Engineering" at ISAE and a Master's degree in Aerospace Engineering at the Aeronautical Faculty of Bucharest and his "Engineering Sciences" Certificate, within the framework of the International Program, at the Polytechnic School of Palaiseau 1993. In 1987 he was a member of the Olympic team enlargement of Romania in Physics (general competitions).

More details:

Nov. 2010 – Nov. 2014 – Doctoral school in Economics and innovation Université du Littoral Cote d'Opale

° Innovation economist, member of the Innovation Research Network

Nov. 2006 – April 2007 - MIT Sloan School of Management, Boston, USA

- Executive Certificate "Management and Leadership"

Nov. 1994 - March 1998 - National School of Aeronautical Construction Engineers, Toulouse,

- Doctorate from Paul Sabatier University - "Mechanical Engineering" specialty

- Very honorable mention "

Oct. 1993 - July 1994 - National Higher School of Aeronautical Construction Engineers - ISAE, Toulouse,

- Diploma of Advanced Studies - Specialty "Mechanical Engineering"

- major of the July '94 session - mention "VERY GOOD"

Jan. 1993 - July. 1993 - École Polytechnique, Palaiseau, France

- Welcoming Program for European Students Selected for the Excellence of their Results
 - major “Engineering Sciences and Scientific Calculation” – “HONORABLE” distinction
- Sept. 1993 - Aeronautical Engineering Diploma obtained with 10/10, Bucharest, Romania
 Sept. 1988 - Dec. 1992 - Faculty of Aircraft, Bucharest, Romania - Structure specialization
 April 1987 - June 1987 Member of the extended Romanian Olympic team in Physics (all-around)

Short Presentation

Founder of the Deep tech Xvaluator in 2015 whose innovation is already recognized by peers (patent, several scientific articles including in Springer) in the field of developments in qualification models in interdependence with innovation models and economic models, especially towards an economy of functionality to decouple economic growth from the ecological footprint. Xvaluator is a member of the Alliance for Digital Trust, of the Finance Innovation Pole, has already contributed to the first France AI Report (initiated by former Minister Axel Lemaire) and has organized several Xvaluator Conferences on the subject of the importance of creation of Relevance and Trust with the participation of personalities such as the Mayor and former Deputy Andre Santini or Pierre Pelouzet, the Business Mediator, Senator Henri Révol, former president of the Parliamentary Office for the Evaluation of Scientific and Technological Choices.

Dr. Florin Paun discovered in his research work for his deep-tech start-up Xvaluator the new AI typology – “QUALIFICATIVE AI” (patent obtained in 2019 but also scientific articles since these discoveries completed the Condorcet and Arrow's Theorem) also capable of reducing false data and data flows (with a large ecological footprint) when using generative AI (“the queen of falsehood and synthetic data”), audience platforms, social networks. Indeed, the AI Qualification Xvaluator is a disruptive innovation capable of responding to urgent and strategic problems for our businesses and societies but also to sovereignty issues for our societies: cybersecurity, the need to reduce false, biased and violence on audience platforms, social networks and during the use of generative AI which will accelerate even more in the coming years. Other positive impacts of Qualification AI in the field of Green Finance, effective consultation and integration of the impacts perceived by all stakeholders in a democratic manner for effective decision-making, through consultation are confirmed during its work. research and innovation recognized by its peers and by decision-makers and practitioners through its conferences (Innovation Research Network, HI-Team, etc.) and scientific articles:

<https://www.openscience.fr/L-intelligence-artificielle-qualificative-quai-Quand-l-intelligence>

Thus Qualification AI (QuAI) and its generic tool (source) avenues of research and development in the field of qualification of opinion and impact data by opening up the fields of possibilities with multiple applications in the evolution of digital customer relationship management given disintermediation by audience platforms, possibilities of remuneration of extra-financial value to strengthen Green Finance, reduction of false, biased data, violence on platforms and social networks, reappropriation of one's own opinion and impact data by each digital user (GDPR compatible) and their participatory valuation and security thanks in particular to the “Xvaluator Ontological Vocabulary”, the “Personalized Xvaluator Wallet of Opinion and Impact Data”, the “Xvaluator LIKE FINGERPRINT” (patent obtained in 2019), support for decision-making through effective and highly collaborative, democratic consultation with all stakeholders, the democratization of advertising and marketing tools for the resilience of businesses and individuals, the reduction of data flows during the use of Generative AI especially by reducing the ecological footprint.

Xvaluator already has a valuation of more than 5 million by IPTrust certified INPI and was selected by the Occitanie Region for a grant for the research and innovation project of 500,000 euros for the Xvaluator MVP. Currently Director of ARESIA Scientific Collaboration and IP Strategies - Innovation Architect at SECAPEM - Founder Agilising Innovation - European Innovation Council Jury Member - Entrepreneur & Investor, Dr. Florin Paun who has education, skills and scientific and innovation results in several areas of high added value and high standards began his career in research, innovation and development for more than twenty-seven years at ONERA.

He had led the materials and structures modeling activities, including a contract with DARPA (USA), and then launched the technology transfer, intellectual property and export activities of the Office.

He became Director of Industrial Innovation and evolved the culture of this organization from a "research only culture" to a "research and innovation culture", with a technology transfer strategy from the field of defense towards the civil domain, by inventing and implementing the "contract with shared risks and benefits" (used today by the Poles, the Satt, the large groups), and the strategies and tools of "hybridization of Tech – Pull and Market-Pull".

Florin contributed to the definition of the business model and the launch of the IRT and the SATT within different national commissions. He participated in the launch of the SAFE Competitiveness Cluster as Director of Strategy and Development. Author of the "DRL – Demand Readiness Level and DRL-TRL" scale (patent 2014) completing the NASA TRL scale to provide "New hybridization strategies of Tech-Push and Market-Pull approaches" used by governments, regional structures, business networks.

His research work (H-Index 13, i10-index 14) more than 50 publications, around ten patents, more than 500 citations...

Knight of the National Order of Merit of France for his contribution to innovation strategies and chosen among the 100 personalities of Romanian origin who honor Romania during the 2018 Centenary, Florin Paun is also a Business Angel, entrepreneur, professor of his own course on Innovation Strategies and Tools and the Human Factor

in the European Schools of Innovation Management for 10 years at the Ecole de l'Air, ISAE, ENAC, Toulouse Business School, as well as start-up coach with IoT Tribe, Cluj IT Cluster and ANRT, member of the Accelerator Jury of the European Innovation Council, Transition, Pathfinder, Expert Due Diligence EIC Fund.....

Thanks to his research work in innovation since 2010, author of books and scientific articles, Dr. Florin Paun has completed the theories of two Nobel Prize winners, Stiglitz and Sen, by discovering more "asymmetries" in processes highly collaborative such as innovation and education, in addition to Stiglitz's information asymmetry in the case of transactional processes and has notably developed innovative tools to reduce or compensate for these asymmetries – cultural, temporal, means, interests, etc. to "rationalize" the processes and organization of innovation and thus create new centers for creating shared value, particularly essential for reindustrialization in Europe thanks to new dynamic capabilities for personalization and loyalty of customer relationships.

As Director of Science, Partnerships and Intellectual Property Strategy at ARESIA, Dr. Florin Paun actively contributes (with his own patents and by supporting the obtaining of team patents) to industrial innovations, particularly in the field of hydrogenization of transport and savings thanks to discoveries and patents which remove technological barriers and provide solutions for national and European energy sovereignty. The European Commissioner, Mrs. Adina Valean and the President of Intergroup "Sky and Space" in the European Parliament, Mr. Jean – Marian Marinescu, recently underlined the importance of the research and innovation work of Dr. Florin Paun in the field of European cooperation for innovation and European sovereignty.

Founder in 2002 of the European Summit in Paris of elites from the Franco-Romanian diaspora which highlights personalities who inspire European collaboration in innovation, the appreciation of France in the scientific and innovative diaspora and encourages visionary projects and attitudes values based on the teachings of the Declaration of Human Rights. Several Presidents of State, Ministers, President of the World Bank, senators, deputies, leaders of large groups have participated in its Summit in Paris since 2002 during this event also organized with the Sponsorship of the Senate at the Palais de Luxembourg in Paris (<https://www.interviewfrancophone.net/sommet-europeen-2022-palais-luxembourg>).

Other functions and achievements:

- Business Strategy & Challenger, Innovation Director, Investor, R&D Coordinator, Tech Scout

- Member of the Pilot Jury of the European Innovation Council - Challenger of the business model,
- Start'Air GIFAS Club Jury, Start-Up Starbust Jury, IoT Tribe Coach
- Innovation Advisor for several Governments and government institutions
- Founder of "Agilising Innovation" and the start-up Xvaluator; Business Angel for Progonline.com
- Co-founder Celidea – European newspaper www.interviewfrancophone.net, member of the Foreign Press Association in Paris since 2002 – international relations, HR events, multicultural management
- International speaker on the evolution of innovation tools and strategies for best practices in collaborative innovation, technology transfer and IP
- Innovation economist, aerospace engineer, multidisciplinary scientist

The personal contributions of Dr. Florin Paun in the fields of science, technology and innovation in several areas such as the uses of AI, solutions for the hydrogenation of transport and economies, aeronautics and aerospace sciences have always had major contributions to sustainable development.

Contributions in the field of research and innovation including AI and its uses:

His research, patents, articles and scientific books in economics and innovation have complemented the theories of two Nobel Prize winners (Stiglitz and Sen) by providing strategies and tools for collaborative innovation of hybridization of Tech - Push and Market - Pull while complementing NASA tools (the TRL with the DRL – Demand Readiness Level).

His research and innovations on critical subjects of developments in collaborative innovation strategies and tools and as part of his deep-tech start-up Xvaluator made it possible to obtain a patent certificate of utility in 2019 for the aspect disruptive innovation technique in the highly collaborative and democratic qualification strategies of opinion and impact data which completed the Condorcet Paradox and Arrow's Theorem making decision-making processes through consultation effective. Its discoveries including another typology of AI – Qualification AI (QuAI) and its various applications, particularly essential during the generalized uses of Generative AI to reduce false, biased data, violence but also data flows (to reduce the ecological impact) have attracted the recognition of peers with several scientific articles but also the admiration of decision-makers during conferences (TedX 2013, "Parliamentary Conference on Open Innovation. Innovation at the heart of French economic recovery, For a French industry of open innovation" Maison de la Chimie in Paris, 2014 with the launch of his book "I innovate therefore I am", "Usine Extraordinaire" Grand Palais 2018, Chairman for Global R&D, Transformation Summit, Berlin , 2018, Franco-German Forum in Strasbourg, 2021, BIC (Business Innovation Center, Indonesia), "110 Indonesia's innovations - 2018", (2018): goo.gl/A562NE, Indonesia's eleventh annual publications since 2008 (pages on Dr. Paun's innovations on the Hybridization of Tech Push and Market Pull:DRL-TRL, pp. 44-45), "European Summit in Paris, Pole Finance Innovation, Palais Brongniart, 2023, SATT, MEDEF-Commission Open Innovation, PACTE PME-Guide Open Innovation, ANRT School of Innovation, more than 500 students and doctoral students have followed his courses at the Ecole de l'Air, Toulouse Business School MBA, EUROSAB, more than 200 managers have followed his training at the Marcus Evans conferences, etc.).

- 1 Patent on innovative participatory qualification methods having completed the Condorcet Paradox and Arrow's Theorem: Filing No.: 16/57516, Filing Date: 03/08/2016, Issue No.: FR1657516, Date of issue: 08/11/2019, Ref: XVA1 FR, Patent holder: XVALUATOR

Paun, F., 2011, "Demand Readiness Level. DRL - a New Tool to Hybridize Market Pull and Technology Push Approaches »

Paun, F., 2011, « Demand Readiness Level as equilibrium tool for the hybridization between Technology Push and Market Pull Approaches », ANR-ERANET Workshop. 8th February.

Paun, F., 2011, « Demand Readiness Level' (DRL): A New Tool to Hybridize Market Pull and Technology Push Approaches - Introspective Analysis of the New Trends in Technology Transfer Practices » (February 18, 2011). Springer Encyclopedia, Forthcoming, Available at SSRN: <https://ssrn.com/abstract=1763679>

Paun, F., 2011, "From Managing Information Asymmetries Towards a Systemic Asymmetries Approach in Technology Transfer and Innovation Strategies: An Economic Analysis of the SME Strategy at ONERA - The French Aerospace Lab(TM)", in IUP Journal of Knowledge Management, Hyderabad Vol. 9, Iss. 4, (Oct 2011): 27-52.

Paun, F., 2012, ["The demand readiness level scale as new proposed tool to hybridise market pull with technology push approaches in technology transfer practices"](#) in Technology transfer in a global economy, Springer.

Paun, F., Von Tunzelmann, N., Richard, P. , 2012, "Assymetries and dynamic interactive capabilities in technology transfer between ONERA - The French Aerospace LABTM and SMEs" in Journal of Innovation Economics, pages 103 – 137.

Paun, F., 2013 „Technology push and market pull entrepreneurship" in Springer Encyclopedia of Creativity, Invention, Innovation and Entrepreneurship.

Paun, F., 2014, livre "J'innove donc je suis ! : Visionnaires du XXI^e siècle", Editions L'Harmattan.

Paun, F. 2014, livre "Tous entre-preneurs ! : la croissance du XXI^e siècle à l'heure entrepreneuriale", Editions L'Harmattan.

Paun, F., 2018, ["Raccourcir les cycles d'innovation"](#) in Technologie et Innovation, 2018, https://openscience.fr/IMG/pdf/iste_techinn18v3n3_4.pdf, in Vol 3 - Dynamiques d'innovation dans les industries aérospatiale et de défense Technologie et innovation, <http://www.openscience.fr/Dynamiques-d-innovation-dans-les-industries-aerospatiale-et-de-defense>.

Paun, F., Vaileanu, I. 2020, "Technological Entrepreneurship and Asymmetries". In: Carayannis, E.G. (eds) Encyclopedia of Creativity, Invention, Innovation and Entrepreneurship. Springer, Cham. https://doi.org/10.1007/978-3-319-15347-6_248

PAUN, F. 2021, « Hybridization of Tech-Push and Market-Pull Approaches in Innovation Processes », in Uzunidis, D., Kasmi, F., Adatto, L. (Eds.), *Innovation Economics, Engineering and Management Handbook*, 1., ISTE Wiley

Paun, F., Vaileanu I., 2023, "Digital Ecosystems for Agilizing Innovation" in "Innovation Ecosystems in the New Economic Era. Digital Revolution and Ecological Transition by Laurent Adatto (Volume editor)Camille* AOUINAÏT (Volume editor)Son Thi Kim LE (Volume editor)Michelle Mongo (Volume editor), 384 Pages, Volume 31 : <https://www.peterlang.com/document/1314629>

Paun, F., (2012), « *The demand readiness level scale as new proposed tool to hybridise market pull with technology push approaches in technology transfer practice* », *Technology transfer in a global economy*, 353-366 :[The demand readiness level scale as new proposed tool to hybridise market pull with technology push approaches in technology transfer practices](#), (29 citations)

Paun, F., (2011), « *Demand Readiness Level'(DRL): A New Tool to Hybridize Market Pull and Technology Push Approaches-Introspective Analysis of the New Trends in Technology Transfer Practice* »: ['Demand Readiness Level'\(DRL\): A New Tool to Hybridize Market Pull and Technology Push Approaches-Introspective Analysis of the New Trends in Technology Transfer Practices](#), Springer Encyclopedia, Forthcoming. (11 citations)

Paun, F., (2013), « [Technology push and market pull entrepreneurship](#) » *Encyclopedia of Creativity, Invention, Innovation and Entrepreneurship: Springer*. (5 citations)

Paun, F., I. Vaileanu, T. O'Neal, L. Chaudron, 2024, "L'intelligence artificielle qualificative (Quai). Quand l'intelligence artificielle intègre toute la diversité de l'esprit critique humain" : <https://www.openscience.fr/L-intelligence-artificielle-qualificative-quai-Quand-l-intelligence>

Contributions in industrial fields: aerospace, hydrogen energy but also technology transfers for social and societal innovations

Its development (together with its teams) as part of its research and innovation work at ARESIA of the first industrialize system to be operational in constrained mobility and high autonomy, for the distribution of gaseous hydrogen at the right temperature, pressure and flow rate adjustable for any type of consumer starting from cryogenic liquid hydrogen storage is already qualified as historic because it provides answers to what was considered a major technological barrier in the development of hydrogen solutions.

- 5 Patents for cryogenic liquid H2 distribution and storage systems

Its applications of the Materials by Design methods still at ONERA for the design and production of metal foams for acoustic energy absorption and thermal shock applications with controlled and reproducible properties with applications to silent nozzles for engines of aerospace has brought unprecedented innovations in this field,

recognized by his peers in numerous scientific articles and by his support for his doctoral student who continued his research.

- 3 Patents in multifunctional materials

- Gasser, S., Paun, F., Bréchet, Y., (2005), "Absorptive properties of rigid porous media: Application to face centered cubic sphere packing", Acoustical Society of America 117 (4), 2090-2099: Absorptive properties of rigid porous media: Application to face centered cubic sphere packing. (99 quotes)

Its development at ONERA of a very low-consumption radar technology for the detection of falls of single people with characterization of their critical states or not by measuring their breathing and their movements brings social and societal innovations for a sensitive category of populations: elderly people, which also does honor to ONERA and to aerospace and defense research and innovation to be able to support civil sectors through agile technology transfer strategies (a major impact that Dr. Florin Paun brought during his functions as Onera Innovation Director).

- 1 Patent for a Radar Vibration Signature

- Dreuillet, P., Bobillot, G., Vignaud, L., Tardivel, F., Paun, F., (2013), "System for detecting persons in a defined space": System for detecting persons in a defined space, US Patent 8,593,279. (13 quotes)

His research work at Onera provided an understanding at the atomic scale of crack propagation mechanisms by fractal analysis of fracture surfaces followed by the discovery of the dependence of the critical size on the change in the self-affinity coefficient. and microstructural parameters of the crack propagation speed. This allowed the development of an innovative assessment tool for vibration fatigue fracture accidents.

- 1 Patent for a Variable Geometry Combustion Chamber

Bouchaud, E., Paun., F., (1999), « Fracture and damage at a microstructural scale », Computing in science & engineering 1 (5), 32-38 : [Fracture and damage at a microstructural scale](#). (26 citations)

List of Publications (61 Publications/12 Brevets, h = 13, h₁₀=14, 500+ citations) : https://scholar.google.com/citations?hl=en&view_op=list_works&gmla=AH70aAU3dcM2wcydMkGphlmeW0Dyu7Oj07EeCHc8nHdRiCNL9r0a1M4viSzCcA42oEQ7T-5MfSL7QTwlh4zMwbYG6x7&user=rEi_sM8AAAAJ

Conferences in the Innovation Economy including QUALIFIED AI:

2024, Invited Guest Expert, Franco-German Forum, by Revue Passages, October, Palais de Luxembourg in Paris (coming soon)

2024, Invited Guest Expert, Hi-Team Conference-dinner, Augmented Finance – Payments: our sovereignty / GAFA – digital currencies', February 27, Paris, together with Jean Paul Mazoyer, DGA Crédit Agricole and President GIE Carte Bancaire and Gilles Babinet, Generative AI Committee in Government: <https://www.hi-team.fr>

2022, Invited Guest Expert on "IP strategies" at the World IP Forum in Thailand

2022, Invited Guest Forum European Franco-German by the Revue Passages

2018, Invited Guest Expert on "Agilising Innovation", Grand Palais, Paris at "Usine Extraordinaire"

2018, "New Strategies for Open Innovation; Agile Demo-Tech", Chairman for Global R&D, Transformation Summit, Berlin, September 2018 <https://qepler.com/events/rnd-process-innovation-summit-2018.html>

2017, Invited Guest Expert for the Annual Innovation Parliamentary Conference in Paris to present the new concept and innovation strategies of "Agile Demo-Tech Thinking" - <https://portailie.fr/analysis/981/linnovation-au-cur-de-French-economic-recovery-feedback-on-the-parliamentary-conference-of-February-13-2014>

2016, Invited Guest Speaker at the 4rd Cluster Matchmaking Conference Internationalization the Strategic Way - <https://www.b2match.eu/cluster-matchmaking-2016/pages/12797-program>: Open Innovation, Cross Sector Innovation and Internationalization - the Strategic Way by Florin Paun, Development and Strategy Director in Competitiveness Cluster SAFE -<https://www.b2match.eu/system/cluster-matchmaking-2016/files/FlorinPaun.pdf?1475064858>

2015, Invited Guest Expert for the Annual Innovation Parliamentary Conference in Paris (after launching the book "J'Innove therefore je suis!" - http://www.rivington.fr/media/conference_pg_30.pdf

RRI Innovation Forum, 2012: Co-chairman:
http://www.cdcentreprises.fr/images/colloques/programme_04_06_2012.pdf
Technology Trasfer Conference 2011, Augsburg,: Chairman of the Special Session "The impact of Collaborative Tools and Practices in Technology Transfer process", <http://www.t2s-augsburg.com/t2s-2011-conference/special-sessions.html>
CURIE Congress, Objectifying the value of the intangible, June 2012 (<http://www.congres-curie.fr/Mardi-5-Juin.html?lang=fr>)

Participation to Scientific Congress Peer Reviews in aerospace sector

Florin PAUN, Alexandre AZOUZI - Thermo-mechanical History of a Friction Stir Welded Plate; Influence of the Mechanical Loading on the Residual Stress Distribution - NUMIFORM 2004, Columbus, OHIO, USA, 7-9 Juin, 2004
Florin PAUN, Jason NADLER - Potential applications of Hollow sphere-based multifunctional materials: artificial bone cores - BIOMED 2004, Bucarest, Roumanie, 4-7 Novembre 2004
F. Mamoud, F. Paun, Y. Bréchet - A new method for modelling a Nickel material elastic mechanical behaviour by using a finite-element simulation - EUROMECH: Mechanical behavior of cellular solids, Nancy, France, June 7-10, 2004
J.H. Nadler, A. Boyer, F. Paun, P. Josso, M.-P. Bacos, Y. Bréchet, Current Issues in the Processing of Superalloy Foams, EUROMECH: Mechanical behavior of cellular solids, Nancy, France, June 7-10, 2004
S. Gasser, F. Paun, F. Simon - Experimental Investigation of Acoustic Absorption of a rigid Porous material experiencing a high thermal gradient - Internoise 2003 Seogwipo, Corée de Sud
On the elasticity of hollow sphere metal foam, Florin Paun, Stéphane Gasser, Yves Bréchet - EUROMAT 2003, Lausanne, Suisse, September 1-4, 2003
E. Bouchaud, F. Paun, E. Ducourthial – Damage and crack propagation at a microstructural scale , Material Research Society '99 Fall Meeting, Boston, USA, Nov. 29 – December 3 1999
F. Paun, E. Bouchaud - A quantitative roughness analysis of tension damage cavities - EUROMAT'99, European Congress in Advanced Materials and Technology, 26 - 30 Septembre, Munchen, Allemagne
R. Chieragatti, F. Paun, D. Fournier, J. C. Lautridou, L. Lelait - Communication, pp 1623-1630 - New type of experimental method in thermo-mechanical fatigue of materials with a high cycling frequency - THERMEC'97, Wollongong, Australia, july '97, International Conference on Thermomechanical Processing of Steels & Other Materials, edited by T. Chandra and T. Sakai, The Minerals, Metals & Materials Society, 1997
R. Chieragatti, J. Lagorsse, F. Paun, R. Barriol - Poster - Simulation par éléments finis de champ thermique d'un tube soumis à une flamme : application à un nouveau banc de fatigue thermomécanique, SFT'97, Congrès Français de Thermique, Toulouse, France, 20-22 mai 1997
R. Chieragatti, J. Lagorsse, F. Paun, D. Fournier, J. C. Lautridou, L. Lelait - Communication, pp 99-100 - Étude de validation d'un nouveau banc d'essai en FTM - CANCAM'97, Le 16e Congrès Canadien de Mécanique Appliquée, Québec, Canada, 01-05 juin 1997
F. Paun - Rapport de faisabilité d'un banc d'essai en fatigue thermomécanique à fréquence de cyclage élevée - Commande de recherche Electricité De France Nr. T41/7 E.6085, décembre 1995 - confidentialité industrielle
R. Chieragatti, F. Paun, G. Degallaix et J. F. Flavenot - Communication - pp 197-206, Vol. N. 9 - Influence d'un polissage mécanique sur la tenue en fatigue d'éprouvettes en alliage d'Aluminium 7075 - 8ème Journées de Printemps de la SF2M : Fatigue et traitements de surface - Paris, France, 30-31 mai 1995

Other articles for the popularization of science and messages of official recommendations dedicated to Dr. Florin Paun:

<https://wordpress.com/post/florin-paun.com/906>
https://w3.onera.fr/alumni/system/files/trajectoire_-_03c.pdf
Sommet Europeen France-Roumanie au Senat 2022
<https://wordpress.com/post/florin-paun.com/846>

<https://coworkingchannel.news/sommet-daffaires-franco-roumain-octobre-2022-palais-du-luxembourg-avec-florin-paun-ingrid-vaileanu-partie-4/>

Interview SMART DIASPORA TVR Television Nationale Roumaine

<https://www.tvrplus.ro/emisiuni/smart-diaspora-2023-194-14393>

<https://wordpress.com/post/florin-paun.com/944>

Article dans Adevarul, journal national en Roumanie

<https://adevarul.ro/stiri-locale/cluj-napoca/romanul-numit-sef-la-programul-spatial-al-europei-1933865.html>

Interview dans Metropola TV

<https://wordpress.com/post/florin-paun.com/1336>

Interview par l'Association de la presse étrangère à Paris APE

<https://www.interviewfrancophone.net/post/sky-is-no-longer-a-limit-pour-les-pme-connectees-a-l-aerospatiale-du-21e-siecle-l-espace-augme>

2022 Ordre National du Mérite pour sa contribution aux évolutions des stratégies et outils d'innovation Discours de Dr. Florin Paun a l'Ambassade de Roumanie a Paris : <https://youtu.be/aGuSohtAEJ4>

Books by Dr. Florin Paun bring together more than 100 personalities from open innovation to confirm the importance of its collaborative innovation strategies and tools.

Paun, F., 2013, "J'innove donc je suis !" Edition L'Harmattan: <https://www.fnac.com/a6866964/Florin-Paun-J-innove-donc-je-suis>

Contributeurs : Emmanuel Lechypre, Edgar Morin, Jean-Claude Volot, Claude Bartolone, Nicholas Stern, Jean Paul Delevoye, André Santini, Henri Révol, Pierre Pelouzet, Philippe Mutricy, Philippe Freyssinet, Jean-Luc Placet, Laurent Grandguillaume, Jean-Marc Chery, Jacques Rocca, Bertin Nahum, Sylvain Allano, Walter R. Stahel, Yann Barbaux, Pier Carlo Padoan, Eric Schulz, Gérard Roucairol, Jean Mounet, Michelle Debonneuil, Christian Pierret, Joachim Rams, Navi Radjou, Thomas O'Neal, Jean-Louis Cabrespines, Jean Pierre Blanc, Yann Cramer, Abdellah Mezzouane, Philippe Richard, Robert Boyer, Michel Derdevet, Hugues-Arnaud Mayer, Costel Subran, Bernard Bismuth, Elise Nebout, Ingrid Anarela Vaileanu Paun

Paun, F., 2014, "Tous Entre-Preneurs!", Editions L'Harmattan : <https://www.fnac.com/a7410698/Florin-Paun-Tous-entre-preneurs>

Contributeurs : Arnaud Montebourg, Pierre Gattaz, Emmanuel Kessler, Wim Vanhaverbeke, Thomas J. Donohue, Sergio Arzeni, Nicolas Dufourcq, Philippe Adnot, Patrick Hetzel, Philippe Lemoine, Philippe Salle, Marie-Anne Montchamp, Pierre Simon, Bernard Salha, Georges Nurdin, Nicolas Hazard, Emmanuel Leprince, Oussama Ammar, Daniel Corfmat, Laure Reinhart, Benoît Thieulin, Corinne Chauffrut- Werner, Herve Suty, Roland Stasia, Dominique Vernay, Vincent Lamande, Alfred Chaouat, Annie Geay, Olivier Duverdiere, Francois Wéry, Edouard Siekierski, Frédéric Cousin, Said Sahardeed, Nicolas Petitjean, Marc Zuber, Ingrid Vaileanu Paun

Paun, F., 2014, "Innover ou périr !", Les Editions L'Harmattan: <https://www.fnac.com/a7102328/Ingrid-Vaileanu-Paun-Innover-ou-perir>

Contributeurs: Dimitri Uzunidis, Isabelle Laudier, Fleur Pellerin, Paul-François Fournier, Henri Révol, Philippe Freyssinet, Jean-Luc Placet, Joachim Rams, Éric Harlé, Laurent Grandguillaume, André Santini, Claudy Lebreton, Hugues-Arnaud Mayer, Costel Subran, Bernard Bismuth, Elise Nebout

Decorations and distinctions

- "Aresia Inventor" Award, 2023 for contribution to patents and innovations in the field of hydrogen
- Knight of the National Order of Merit, Official Journal November 2021, promotion to Prime Minister list
- Smart Diaspora Selection, Romania, 2022
- Distinction by Romania among the 100 personalities of Romanian origin for the Centenary of Romania (2018) – The 100 for the Romania's Centenary »
- TedX Speaker on Entrepreneurship & Innovation, 2013 <http://www.youtube.com/watch?v=6l3GqItl3sw>
- Official distinction for its contribution to innovation strategies and tools in Indonesia by Research Center for Development of Science and Technology, Indonesia Institute of Sciences, PAPPIPTK – LIPI, BIC (Business

Innovation Center, Indonesia), "110 Indonesia's innovations - 2018", (2018): goo.gl/A562NE, Indonesia's eleventh annual publications since 2008 (pages on Dr. Paun's innovations on the Hybridization of Tech Push and Market Pull: DRL-TRL, pp. 44-45).

- European Innovation Council Jury Member (among the first) by France and Romania (since 2017)
- Proposal to become Minister of Research and Digitalization in Romania (December 2020)
- Short List Program Manager European Innovation Council (2021)

Possible contributions in the fields of science and innovation

Dr Florin Paun is one of the most appreciated and inspiring scientists and innovation experts in the diaspora, capable of encouraging new generations to invest personally in making personal effort at the service of French and European innovations at the service of humanity.

Paun gives conferences and his own courses on topics of evolution of innovation strategies and tools including AI: at the Senat Innovation Conferences, World IP Forum, TEDX, Hi-Team, Toulouse Business School, Supaero, Ecole de l' Air, ENAC and ESEO, has published 3 books on current innovation tools and strategies bringing together more than 100 managers and has been cited in multiple international media including: Aerospace Testing Magazine, Les Echos, l'Usine Nouvelle and Air & Cosmos, MetropolaTV, TVRomania, etc.

His public interventions are highly appreciated and inspiring to contribute to the popularization of research and innovation subjects but also to mobilize decision-makers and practitioners for collaborations on disruptive innovation subjects based on a powerful scientific base, relevant, documented exchanges. and enriching thanks to its multidisciplinary skills, its effort and dynamic of antenant and sincere work and its availability and generosity to provide the most support for collective results in the service of concrete objectives.

Its multidisciplinary scientific and technical skills in the field of innovation but also developments in economic models and the Human Factor, its (patented) collaborative innovation strategies and tools can be used to support work in several areas. :

- AI and security and ethics solutions in the uses of generative AI, and more generally in the uses of platforms, social networks, AI for the security of digital identities, for national and European sovereignty
- Energy with recent innovations to support the hydrogenation of transport and economies
- Innovations in the field of materials compatible with sustainable development issues and national and European sovereignty

Innovation ecosystems, France and International

BPI, SATT, AI Carnot, Fraunhofer, ANRT, CEA-Tech, CETIM, IFFSTAR, French-Tec, Start-Up (50+), Competitiveness Clusters, EU Associations, USA Universities (GaTech, UCF, Akron), INCAS, ROSA, JAXA, T2S...

Member of the European Innovation Council Jury Pilot

Member of the National Council for Entrepreneurship and Innovation, Romania

Member of the ANRT School of Innovation and SME Club

Member of the Innovation Research Network

Recommendations

Laura Chobard, Ecole Polytechnique

Carole Miranda, ANRT

Elisabeth Bouchaud, CEA

Jean Botti

Dominique Vernay

Laurent Alexandre

Philippe Freyssinet

Jean Mounet

Denis Mercier

Henri Révol

David Lenoble, DGA
Philippe Etienne, Ancien Ambassadeur de France aux Etats Unis, en Roumanie, etc
Bruno Sainjon, Président, Onera
Yann Barbaux, CIO Airbus, Président Aerospace Valley
Sergio Arzeni, OECD
Valérie – Anne Lenksnard
Fanny Letier, Ancienne BPIFRANCE, Fondateur Geneo
Roxana Maracineanu, Ancienne Ministre des Sports
Emmanuel Lechypre, économiste BFM
J.H. Lorenzi, Cercle des Economistes
Michel Fiat, Haut Conseiller TAS, Président Cluster SAFE,
Laurent Delville, VP Open Innovation, Safran Groupe
Jean-Marc Brunel, Chief IP Officer, Safran Groupe
Jean-Brice Dumont, CEO Airbus D&S, ex-CTO Airbus
Yannick Assouad, Ex VP Thales, ex-CEO Latécoère
Serge Berenger, CIO Latécoère,
Therry Rouge-Carrassat, CTO Safran Aerosystemes (Zodiac)
Jean-Claude Volot, PDG Dedienne Aerospace, VP GEAD
Ariel Sirat, DG IRT Saint Exupery
Marie-Noelle Semeria, Directeur R&D, Groupe Total
Jean-Luc Beylat, Président Nokia- Bell Labs, Systematic et Association des Pôles de Compétitivité
Ronan Stephan, CSO Plastic Omnium, ancien DGRI au MENS
Georges Pelsemaeker, CEO Valeo « Health and WellBeing »,
Neculae Banea, Directeur General IAR Brasov, ex Secetaire d'Etat aux Industries de Défense Roumanie
Florin Talpes, CEO Softwin, BITDEFENDER
Mihai Datcu, DLR Allemagne
Florin Sunel, VP UIPath
Stelian Brad, Presedinte Cluj IT Cluster
Christian Cambon, Sénateur, Président de la Commission Affaires Étrangère, Défense, des Armées
Alexis Ponaradjou, CTO Hutchinson,
Thomas O'Neal
+ Renault, Continental, Pratt & Whitney, Siemens

CĂRȚI ȘTIINȚIFICE

J'innove donc je suis !

<https://www.fnac.com/a6866964/Florin-Paun-J-innove-donc-je-suis>

Contributeurs : Emmanuel Lechypre, Edgar Morin, Jean-Claude Volot, Claude Bartolone, Nicholas Stern, Jean Paul Delevoye, André Santini, Henri Révol, Pierre Pelouzet, Philippe Mutricy, Philippe Freyssinet, Jean-Luc Placet, Laurent Grandguillaume, Jean-Marc Chery, Jacques Rocca, Bertin Nahum, Sylvain Allano, Walter R. Stahel, Yann Barbaux, Pier Carlo Padoan, Eric Schulz, Gérard Roucairol, Jean Mounet, Michelle Debonneuil, Christian Pierret, Joachim Rams, Navi Radjou, Thomas O'Neal, Jean-Louis Cabrespines, Jean Pierre Blanc, Yann Cramer, Abdellah Mezzouane, Philippe Richard, Robert Boyer, Michel Derdevet, Hugues-Arnaud Mayer, Costel Subran, Bernard Bismuth, Elise Nebout, Ingrid Anarela Vaileanu Paun

Expert în evoluția strategiilor de inovare, cu o reputație construită cu munca sa științifică privind „asimetriile” în procese colaborative precum inovarea sau scara de maturitate a cererii în timpul creării de valoare prin înțelegerea nevoilor (Demand Readiness Level, DRL), Florin Paun dorește să evidențieze munca practicienilor, care nu se opune, ci completează munca economiștilor. Personalități precum Lord Nicholas Stern și Edgar Morin au convenit să se alăture acestei noi abordări dinamice de împuternicire a tuturor, să analizeze împreună noile provocări ale creării și evaluării valorii în secolul 21. Mărturiile lor vizionare despre această nouă atitudine „Inovez, deci sunt!” încurajează mai mult ca oricând să acționeze pentru a co-construi o valoare comună. Doctorul Florin Păun a fost dornic să dea voce liderilor vizionari care, în ciuda diferențelor lor, ne deschid mințile către același obiectiv: să participăm cu încredere și plăcere la procesul generalizat de inovare (socială și tehnologică) care creează valoare comună între toate părțile interesate. . Aici suntem purtați de o deschidere la minte accesibilă, pozitivă, care presupune cu filozofie: „Gândește!... să inovați!... pe lângă Exist!”... Acest lucru poate crea valoare comună pentru toți! Emmanuel Lechypre, Editorialist, director al observatorului BFM Business (citată din cartea „Inovez, deci sunt” de Florin Paun)

Lațul valoric clasic nu mai are sens în sine dacă nu vorbim de „arbori valorii” (mai multe tipuri de clienți pentru același produs/serviciu și furnizori din sectoare industriale diferite pentru același integrator/furnizor) acum că „valoarea”. copacii” se interconectează în felul unei adevărate „păduri de mangrove”. Cum putem încă încerca să prezicem viitorul, când nici măcar „gânditorii” de la MIT și Harvard nu au prevăzut ascensiunea rețelelor sociale în propriul campus inovator (aceasta nu este o critică)? Ne aflăm într-o lume în care interculturalitatea, interdisciplinaritatea, transversalitatea proceselor, hibridizarea abordărilor Market Pull și Tech Push, înțelegerea utilizărilor înseamnă că vom fi din ce în ce mai puțin capabili să prezicem viitorul. Va trebui să fim din ce în ce mai adaptabili, reactivi, dinamici în schimbare, să lucrăm cu actori din ce în ce mai diverși și totuși să rămânem mereu în fruntea tendințelor tehnologice și societale. » dr. Florin Paun, Director Inovare Industrială, ONERA (citată din cartea „Inovez, deci sunt” de Florin Paun)

Tous Entre-Preneurs!

<https://www.fnac.com/a7410698/Florin-Paun-Tous-entre-preneurs>

Contributeurs : Arnaud Montebourg, Pierre Gattaz, Emmanuel Kessler, Wim Vanhaverbeke, Thomas J. Donohue, Sergio Arzeni, Nicolas Dufourcq, Philippe Adnot, Patrick Hetzel, Philippe Lemoine, Philippe Salle, Marie-Anne Montchamp, Pierre Simon, Bernard Salha, Georges Nurdin, Nicolas Hazard, Emmanuel Leprince, Oussama Ammar, Daniel Corfmatt, Laure Reinhart, Benoît Thieulin, Corinne Chauffrut- Werner, Herve Suty, Roland Stasia, Dominique Vernay, Vincent Lamande, Alfred Chaouat, Annie Geay, Olivier Duverdiere, Francois Wéry, Edouard Siekierski, Frédéric Cousin, Said Sahardec, Nicolas Petitjean, Marc Zuber, Ingrid Vaileanu Paun

„Cartea pe care o ai în mâini explorează evoluția modelului francez de inovare, grație practicilor diversilor actori de inovare (cercetători, IMM-uri, start-up-uri, grupuri mari) care au dezvoltat instrumente de colaborare capabile să depășească blocajele culturale. Autorul său, dr. Florin Paun, încurajează înțelegerea comportamentelor „artizanilor” inovației și subliniază punțile dintre „lumea practicienilor” și „lumea teoreticienilor”. Dând voce diversilor actori ai inovației (grupuri mari, IMM-uri, ETI-uri, start-up-uri, laboratoare, teritorii), această lucrare arată că cultura franceză este o cultură a inovației. Încurajează spiritul antreprenorial, cheia creșterii în secolul 21 în Franța, Europa și în lume. „Într-o economie globalizată, avantajul comparativ este inovația, valoarea adăugată, adică produse inovatoare la prețuri competitive”, subliniază în această carte președintele Medef, Pierre Gattaz. Dacă această convingere este împărtășită de toată lumea, dacă ghidează politicile publice și acțiunea colectivă a cetățenilor, atunci Franța poate deveni mâine, „economia lider din lume”. Întâmpinarea provocării inovației: nu este un vis de neatins, este o provocare interesantă pentru o întreagă națiune. » Emmanuel Kessler, șeful Polului Economiei LCI (citată din cartea „Tous Entre-preneurs” de Florin Paun)

Innover ou périr !

<https://www.fnac.com/a7102328/Ingrid-Vaileanu-Paun-Innover-ou-perir>

Dimitri Uzunidis, Isabelle Laudier, Fleur Pellerin, Paul-François Fournier, Henri Révol, Philippe Freyssinet, Jean-Luc Placet, Joachim Rams, Éric Harlé, Laurent Grandguillaume, André Santini, Claudy Lebreton, Hugues-Arnaud Mayer, Costel Subran, Bernard Bismuth, Elise Nebout,

Sky is no longer a limit !

<https://www.amazon.com/Sky-longer-limit-Technologie-dinnovation/dp/6202534761>

12 LUCRĂRI ȘTIINȚIFICE REPREZENTATIVE

I. In domeniul materialelor capabile sa absoarba zgomotul, materiale pe baza de sfere goale, spume metalice

1. *Absorptive properties of rigid porous media: Application to face centered cubic sphere packing*
S Gasser, F Paun, Y Bréchet
The Journal of the Acoustical Society of America 117 (4), 2090-2099
2. *Uniaxial tensile elastic properties of a regular stacking of brazed hollow spheres*
S Gasser, F Paun, A Cayzeele, Y Bréchet
Scripta Materialia 48 (12), 1617-1623
3. *Finite elements computation for the elastic properties of a regular stacking of hollow spheres*
S Gasser, F Paun, Y Bréchet
Materials Science and Engineering: A 379 (1-2), 240-244
4. *Design of materials for noise reduction in aircraft engines*
F Paun, S Gasser, L Leylekian
Aerospace science and technology 7 (1), 63-72
5. *Microplastic yield condition for a periodic stacking of hollow spheres*
S Gasser, F Paun, L Riffard, Y Bréchet
Scripta Materialia 50 (4), 401-405 33 2004
6. *Materials design for acoustic liners: an example of tailored multifunctional materials*
S Gasser, Y Brechet, F Paun
Advanced Engineering Materials 6 (1-2), 97-102

II. In domeniul propagării fisurilor si oboselii materialelor cu aplicatii in industrie

7. *Fracture and damage at a microstructural scale*
E Bouchaud, F Paun
Computing in science & engineering 1 (5), 32-38

III. In domeniul economiei si evolutiilor strategiilor si instrumentelor de inovare

8. *The demand readiness level scale as new proposed tool to hybridise market pull with technology push approaches in technology transfer practices*
F Paun
Technology transfer in a global economy, 353-366 – 28 citations
9. *'Demand Readiness Level'(DRL): A New Tool to Hybridize Market Pull and Technology Push Approaches-Introspective Analysis of the New Trends in Technology Transfer Practices*
F Paun
Springer Encyclopedia, Forthcoming – 18 citations

Prin lucrarile si articolele sale stiintifice in domeniul economiei si inovatiei, pe durata a 3 ani doctorali in domeniul economic, Dr. Florin Paun a completat teoriile a doi laureati ai Premiului Nobel, Joseph Stiglitz si Amartya Sen.

Instrumente de agilizare – un termen introdus de el in limbajul actorilor inovatiei a proceselor si organizatiilor de inovare – Demand Readiness Level descoperit de Dr. Florin Paun la Onera care completeaza TRL – Technology Readiness Level descoperit de Mankins la NASA. Instrumentul DRL-TRL. - Brevetat de Dr. Florin Paun sta la baza strategiilor nationale de inovare de Hybridizare a abordarilor Tech-Push si Market-pull., 2011.

Dr. Florin Paun a descoperit mai multe tipologii de asimetrii – culturale, de temoralitate, de mijloace disponibile, de interes, etc - in procesele collaborative ca inovatia in plus de asimetria de informatie a lui Joseph Stiglitz importanta in relatiile de tranzactie comerciala. In plus, prin instrumentele sale DRL-TRL si Contractul de riscuri si beneficia impartite aceste asimetrii pot fi reduse sau compensate pentru ca actorii inovatiei sa dezvolte noi centre de valoare impartasita fara sa fie divizata. Aceste instrumente stau la baza succesului SATT urilor Structurilor de Accelerare a Transferului de Tehnologie in Franta – doar cele care au adoptat instrumentele Dr.-ului Florin Paun au reusit sa creeze noi capacitati dinamice si sa inregistreze succese – exemplul SATT Paris Saclay. Concepte noi introduse de Dr. Florin in procesele de inovare deschisa cu este inlocuirea Lantului de Valoare in modelele lineare de inovare cu adevarate Paduri de Mangrove in noile strategii de inovatie colaborativa unde domeniul digital este o retea rizomiala care inunda toate sectoarele si permite o fertilizare incrucisata pentru a accelera inovatia de la un sector la altul.

Prezentare Dr. Florin-Călin Păun

10. *Asymmetries and dynamic interactive capabilities in technology transfer between ONERA-the French Aerospace Lab TM and SMEs*

F Paun I, N Von Tunzelmann, P Richard
Journal of Innovation Economics, 103-137

11. *Raccourcir les cycles d'innovation*

F Paun
Technologie et Innovation 3

12. *J'innove, donc je suis!: Visionnaires du XXI^e siècle*

F Paun
Visionnaires du XXI^e siècle

<https://www.amazon.fr/Jinnove-donc-suis-Florin-Paun/dp/2343020051>

<https://www.onera.fr/fr/actualites/lundi-3-mars-rencontre-avec-florin-paun-directeur-adjoint-innovation-industrielle-a>

Prezentare Dr. Florin-Călin Păun

MESAJE DE LA PERSONALITĂȚI DESPRE COMPETENȚELE SALE ȘI ROLUL ÎN A INSPIRA NOILE GENERAȚII

Google Scholar: https://scholar.google.com/citations?user=rEi_sM8AAAAJ&hl=en&oi=ao

Denis Mercier fost NATO/Allied Command Transformation 1 octombrie 2017 - Analiza tendințelor strategice la orizont

2035 în câmpurile politice, umane, economice.

<https://florin-paun.com/2022/10/21/message-de-denis-mercier-pour-la-ceremonie-de-decoration-avec-lordre-national-du-merite-pour-ma-contribution-a-linnovation-francaise-europeenne/>

Yann Barbaux, senior vice-président à Airbus, est président exécutif du pôle de compétitivité Aerospace Valley depuis septembre 2017

<https://florin-paun.com/2022/10/21/message-de-yann-barbaux/>

Michel Fiat

<https://florin-paun.com/2022/10/21/message-de-michel-fiat-ancien-president-pole-safe/>

Bruno Sainjon, President ONERA

<https://florin-paun.com/2022/10/21/message-de-bruno-sainjon-pour-la-ceremonie-de-decoration-avec-lordre-national-du-merite/>

Discours de Ronan Stephan lors de la ceremonie de remise de l'Ordre National du Merite pour Dr. Florin Paun

<https://youtu.be/QLFPVqzu3-s>

Discours Senateur Henri Revol mentionnant Dr. Florin Paun, le Fondateur President du Sommet européen franco-roumain , edition 2022

<https://youtu.be/ixfrWTuFjaA>

Discours Senateur Bernard Fournier au Sommet Européen Franco roumain a Paris 2022 - avec le Président du Groupe d'Amitié France Roumanie Bernard Fournier

https://youtu.be/R_nJ9JAK5mc

Prezentare Dr. Florin-Călin Păun

CÂTEVA ARTICOLE ȘI INTERVIURI

Article en Trajectoires

<https://wordpress.com/post/florin-paun.com/906>

https://w3.onera.fr/alumni/system/files/trajectoire_-_03c.pdf

Sommet Europeen France-Roumanie au Senat 2022

<https://wordpress.com/post/florin-paun.com/846>

<https://coworkingchannel.news/sommet-daffaires-franco-roumain-octobre-2022-palais-du-luxembourg-avec-florin-paun-ingrid-vaileanu-partie-4/>

Interview SMART DIASPORA TVR Television Nationale Roumaine

<https://www.tvrplus.ro/emisiuni/smart-diaspora-2023-194-14393>

<https://wordpress.com/post/florin-paun.com/944>

Article dans Adevarul

<https://adevarul.ro/stiri-locale/cluj-napoca/romanul-numit-sef-la-programul-spatial-al-europei-1933865.html>

Interview dans Metropola TV

<https://wordpress.com/post/florin-paun.com/1336>

Interview par l'Association de la presse etrangere a Paris APE

<https://www.interviewfrancophone.net/post/sky-is-no-longer-a-limit-pour-les-pme-connectees-a-l-aerospatiale-du-21e-siecle-l-espace-augme>

2022 Ordre National du Mérite pour sa contribution aux évolutions des stratégies et outils d'innovation Discours de Dr. Florin Paun a l'Ambassade de Roumanie a Paris

<https://youtu.be/aGuSohtAEJ4>

Discours Ronan Stephan <https://youtu.be/QLFPVqzu3-s>

<https://youtu.be/QLFPVqzu3-s> discours Ronan Stephan

https://youtu.be/h0LLfgHBB_Q message Yann Barbeau

<https://youtube.com/shorts/pwiAmjayctE> message Denis Mercier

<https://youtu.be/gSKH8IMpano> message Bruno Sainjon

<https://youtu.be/7-e1CNSMI4M> message Michel Fiat

Sommet Européen Franco roumain a Paris 2023

Aéroport Brasov

<https://www.youtube.com/watch?v=tASjRXaphz0>

Hommage de Dr. Florin Paun aux pionniers de l'innovation ouverte

<https://youtu.be/AfTD5ycYTm8>

Height

Taille

581

13. Culoea ochilor

Colour of eyes

Couleur des yeux

CĂPRUI

14. Domiciliul

Residence

Domicile

FRANTA



PAŞAPORT

ROMÂNIA / ROMANIA / ROUMANIE

Tip/Type/Type

Codul țării/Country code/Code du pays

Număr/Passport/Passeport N°

PE

ROU

064486983

1. Numele/Surname/Nom

PĂUN

2. Prenumele/Given names/Prénoms

FLORIN-CĂLIN

3. Cetățenia/Citizenship/Citoyenneté

ROMÂNĂ

4. Data nasteril/Date of birth/Date de naissance

20 MAI/MAY 69

6. Sex/Sex/Sex

7. Locul nașterii/Place of birth/Lieu de naissance

ALBA-IULIA

8. Data emiterii documentului/Date of issue/Date de délivrance
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BUCUREȘTI

11. Semnătura titularului/Holder's signature/Signature du titulaire

P. Cal

PEROUPAUN<<FLORIN<CALIN<<<<<<<<<<<<<<<<<<<
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Nr.: 92-25-442

Data: 13.01.2025

ADEVERINȚĂ



Prin prezenta se atestă că, la cererea domnului PĂUN FLORIN-CĂLIN, cetățean român, cu domiciliul în Franța, născut la data de 20.05.1969 în Alba Iulia (Mun.), România, identificat prin pașaport simplu electronic cu nr. 064486983, eliberat la data de 29.08.2023, valabil până la data de 29.08.2033, cod numeric personal 1690520 [redacted] au fost efectuate verificări în evidențele cazierului judiciar administrate de autoritățile române competente, pe baza cărora, conform comunicării nr. 33410642 din data de 13.01.2025, s-au constatat următoarele:

Fara cazier judiciar

În conformitate cu prevederile art. 29 alin. (4) din Legea nr. 290/2004 privind cazierul judiciar, republicată, cu modificările și completările ulterioare, prezenta adeverință are valoarea juridică a unui certificat de cazier judiciar, este valabilă 6 luni de la data eliberării și servește persoanei nominalizate anterior la autoritățile publice și celelalte instituții străine competente, în scopul prezentării în cadrul unei proceduri administrative.

