

# CURRICULUM VITAE

- 1. Nume si prenume:** - **Julian RIPOSAN**
- 2. Data nasterii:** - 17.02.1948, Petreni, Com.Băcia, jud.Hunedoara
- 3. Studii:** - Inginer Metalurg-1970-Inst.Politehnic Bucuresti (IPB) -Turnarea Metalelor (Fac. Metalurgie)  
- Doctor Inginer-1978-IPB- Turnarea Metalelor (Fgv)  
- Fulbright Grant-1991/92 – Ferrous Matrix Composites, Univ. of Alabama, Tuscaloosa, SUA
- 4. Instructia si pozitia:** - Universitatea POLITEHNICA Bucuresti (UPB); Fac. Stiinta si Ingineria Materialelor (SIM);  
Catedra Procesarea Materialelor si Ecometalurgie (PME)  
- Profesor, Cancelar al Senatului Universitatii POLITEHNICA Bucuresti; Cond. doctorat (Stiinta si Ing. Materialelor).
- 5. Domenii didact. majore** - Bazele Elaborarii Aliajelor, Fonte Modificate si Aliate.
- 6. Publicatii/Lucr. majore** ->**250 lucrari publicate, >120 in alte tari decat Romania (30)** precum Germania, Anglia, SUA, Franta, Japonia, Elvetia, Spania, India, Brazilia, Australia, China, Norvegia, Olanda, Korea, Polonia, Turcia, Egipt, Canada, Portugalia, Rep.Ceha, Ungaria, Rusia, Bulgaria, Slovacia, Suedia, Mexic, Slovenia, Belgia, Croatia, Serbia.
- **78 Lucrari indexate in ISI-Web of Knowledge:** 48 Lucrari publicate cotate in ISI-Web of Science; 30 Brevete Inventie in Derwent Innovation Index.
- **Indexari BDI:** 87-Metals Abstracts CSA/METADEX; 55-Chemical Abstracts; 28-BCIRA (British Cast Iron Research Association) Abstracts; 62- SCOPUS; 32-COMPENDEX; 15-INSPEC; 12-AFS Library
- **15 Traduse din limba romana in Materials Information Translation Service (Anglia, MITS-BISI).**
- **12 Traduse si publicate in extenso de catre Express Informatia (URSS).**
- **3 Monografii originale publicate in Ed.Tehnica reprezentand trei tipuri de fonte:** Fonte cu grafit vermicular, Fgv (1984), Fonte Albe rezistente la uzare (1987) si Fonte Bainitice (1989) recenzate in mai multe tari (Fgv-prima monografie pe plan mondial); Cursuri Fonte (1985) si Otel (1994).
- Capit. Fonte, Tratat de Stiinta si Ingineria Materialelor Metalice, Vol. 3 si 4, ASTR-AGIR, 2009, 2010.
- **19 Lucrari au reprezentat Romania la Congresele Mondiale de Turnarea Metalelor** organizate periodic de catre WFO-World Foundry Organization (1974-2012) (Romania face parte din WFO): 1974 [Belgium], 1975 [Portugal], 1976 [Romania], 1979 [Spain], 1981 [Bulgaria], 1984 [Portugal], 1985 [Australia], 1986 [Cehoslovacia], 1992 [Brazil], 1993 [Holland], 1995 [China], 1998 [Hungary], 2000 [France], 2002 [Korea], 2004 (Turkey), 2006 [UK], 2008 [India], 2010 [China], 2012 [Mexico]
- **13 Lucrari prezentate la ultimele 8 (din 9) Simp. Internationale privind Fontele:** 1974-Elvetia, 1984-Suedia, 1989-Japonia, 1994-Franta, 1998-SUA, 2002-Spania, 2006-China, 2010-Egypt; Membru in Comitetul International de organizare (din 1998).
- **30 Lucrari incluse in Conferintele/Congresele AFS – American Foundry Association si DIS – Ductile Iron Society:** AFS Metalcasting Congress [annual congresses]: 1985 [Invited Paper, CGI], 1996,2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012; Keith Millis Ductile Iron Symposium [5 years]: I. 1998 – Hilton Head Island, SC [50 years-DI]; II. 2003 – Hilton Head Island, SC; III. 2008 – Las Vegas, NV; AFS / DIS Specialized Conferences: AFS International Cast Iron Inoculation Conference: 1998, 2005 [USA]; AFS International Iron Melting Conference: 2009 [USA]; The Carl Loper Cast Iron International Symposium: 2009 [USA]; AFS Conference, Saltillo, Mexico, September 2008; World Conferences on Austempered Ductile Irons: 1991, 2002 [USA]; Ductile Iron Society (DIS) Annual Meeting: 2004 [Canada]
- **Alte Congrese Internationale:** AFC – ASIAN FOUNDRY CONGRESS 1999 [Calcutta – India], 2008 [Nagoya – Japan]; ARABCAST – ARABIAN FOUNDRY CONGRES Egypt: 1997, 2000, 2004 – Alexandria, 2008– Sharm-el-Sheik; CUPOLA INTERNATIONAL CONFERENCE I. 2000 [Strasbourg - France], II. 2004 [Trier - Germany]; CAST IRON EUROPEAN NETWORK MEETING 2009 - Paris, France; 2010 – Jonkoping, Sweden; 2011 – Clausthal, Germany; 2012 – Durango / Bilbao, Spain; II Vedeka Conf. s Mezinarodni Ucasti, Brno, Cehoslovacia, 1978; FOCOMP'86 Intern. Conference, Krakow, Poland, 1986; 7th Intern. Ferroalloy Congress (INFACON 7); 1995 – Norway The1st Europ. Rolling Conference 1996, Balatonszeplak, Hungary; METAL'97, 6th Intern. Metal. Fair and Symp., Ostrava, Slovacia, 1997; 3rd ASM Intern. Conf. on The Recycling of Met., 1997, Barcelona, Spain; Intern. Conf. "Genetic Engin. in Alloys (Heredity) 1998, Samara, Russia; Intern. Conf. ADI- Conference, 2000, Krakow, Poland; 2nd Intern. Foundry Congress, March 2001, Istanbul, Turkey; 16th Hungarian Foundry Days, Lillafured, Hungary, 2001; Conf. on "DI of the 21st Century", 2003, Krakow, Poland; Casting Clinic 2006 Conference, Krakow, Poland, 2006; First Afro-Asian Conf. on Adv. Mater. Sci. Techn., 2006, Cairo, Egypt; 51st Intern. Foundry Conf., PORTOROŽ, Slovenia, 2011.

- 7. Domenii de cercetare** - Fonte cu grafit lamelar, nodular, vermicular si coral-elaborare si caracterizare; Fonte ausferitice (bainitice); Materiale compozite cu matrice feroasa; Elaborarea in cubilou, cuptoare electrice si cu flacara; Noi tehnici de modificare si aliere a fontelor.
- 8. Colaborari Internationale** 1998-2010, ELKEM, Norvegia [Lider mondial al produc. de modificatori, Cercetari fundamentale si aplicative]; 2008, METALKRAFT AS din Norvegia; 1997-2012-CMRDI-Central Metal. Res. and Development Institute din Egipt; din 2009-Cast Iron European Team.  
- Au fost rezolvate peste 160 de contracte de cercetare anuale, in domeniul fabricatiei pieselor turnate.
- 9. Asociații si Societati Profesionale** -AFS-American Foundrymen Society (membru international); ASM International-The Materials Information Society (membru); Cast Iron European Team 9membru); Asociația Tehnica de Turnatorie din Romania (ATTR)-**Presedinte** [din 1996]; Societatea Romana de Metalurgie (SRM); UNIROMSIDER-Uniunea Prod. de Otel din Romania (M. Cons.); Societatea Invent. din Romania.
- 10. Conferinte Tehnice:** - SUA, Franta, Japonia, China, Egypt, Rusia, India, Norvegia (Universitati, Institute de Cercetare, Producatori de Piese Turnate)
- 11. Comit. Stiintifice Int.** - Simpozionul International de fonte (1998-SUA, 2002-Spania, 2006-China, 2010 Egipt; 2014-Argentina); Conferinte Internationale Turnatorie: Romania, Polonia, Egipt, Rusia
- 12. Distinctii:**
- **Premiul "Aurel Vlaicu" al Academiei Romane**, 1985, Contributii Fgv
  - Premiul I (1989) acordat de CNST, faza nationala a concursului de creatie stiintifica si tehnica
  - Premiile II si III (1989) Min. Invatamantului-Tehnologii originale brevetate.
  - 10 Premii la Saloanele Nationale de Inventii (1986-1998).
  - Diploma de Onoare UPB pentru activitate inventii (1988).
  - **American Foundry Society [AFS]-Award of Scientific Merit – 2012:** “for advancing the knowledge of the cast iron industry through extensive research and for generously sharing his knowledge and expertise with the industry”; “This is the highest recognition the American Foundry Society and your peers can give to the individuals who have served the industry honorably and well. In presenting this award, we are confident it will bring you the recognition you so well deserve. The spirit in which you have fulfilled AFS’ mission of sharing knowledge has been one of the main considerations in making this award”.
  - **BEST PAPER AWARD-63rd World Foundry Congress**, 1998, (Fgn si Fgv).
  - **BEST PAPER AWARD-106<sup>th</sup> AFS Casting Congress**, SUA 2002, (Fgv).
  - **BEST OPERATING PAPER AWARD – 107<sup>th</sup> AFS Casting Congress**, SUA 2003, (Desulfurare).