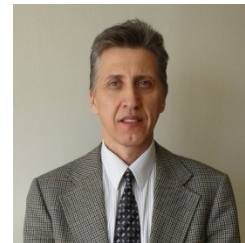




## Curriculum vitae Europass

### Informații personale

Nume / Prenume	<b>Tintelecan Marius</b>
Telefon	<b>+40-264-401713</b>
E-mail	<b>marius.tintelecan@ipm.utcluj.ro</b>
Naționalitate	Romana
Data nașterii	16.04.1966
Sex	Masculin



### Experiența profesională

Perioada	<b>1989-1995</b>
Funcția sau postul ocupat	Inginer
Activități și responsabilități principale	Inginer tehnolog al secției TOT3
Numele și adresa angajatorului	S.C. Industria Sarmei S.A. Campia Turzii
Tipul activității sau sectorul de activitate	Obținerea sarmei de otel
	<b>1995-2003</b>
	Sef atelier trefilare TOT3
	S.C. Industria Sarmei S.A. Campia Turzii
	Obținerea sarmei de otel
	<b>2003-prezent</b>
	Șef lucrări
	Universitatea Tehnică Cluj-Napoca. Str. C-tin Daicoviciu, nr.15, Facultatea de Știința și Ingineria Materialelor. Departamentul: Știința și Ingineria Materialelor
	Curs și Aplicații la disciplinele: Informatica Aplicată și la cel de Utilaje și Instalații Termice.

### Educație și formare

• Anul	1989
• Numele și tipul organizației	Institutul Politehnic Cluj-Napoca, Facultatea de Mecanica
• Titlul obținut	Inginer mecanic
• Specializarea	Prelucrări Metalurgice

- Anul
- Numele si tipul organizatiei
- Titlul obtinut
- Specializarea

2005  
 Universitatea Tehnica din Cluj-Napoca, Institutul Politehnic Cluj-Napoca, Facultatea de Mecanica  
 Doctor  
 Stiinta si Ingineria Materialelor

1989  
 Institutul Politehnic Cluj-Napoca, Facultatea de Mecanica  
 Inginer mecanic  
 Prelucrari Metalurgice

**Aptitudini și competențe personale**

Limba maternă Română

Limba(i) străină(e) cunoscută(e)

Autoevaluare  
 Nivel european (\*)

**Engleza**

**Franceza**

Înțelegere				Vorbire				Scriere	
Ascultare		Citire		Participare la conversație		Discurs oral		Exprimare scrisă	
C1	Proficient User	C1	Proficient User	C1	Proficient User	C1	Proficient User	C1	Proficient User
B2	Independent Use	C1	Proficient User	B1	Independent Use	B1	Independent Use	B1	Independent Use

(\*) [Nivelul Cadrului European Comun de Referință Pentru Limbi Străine](#)

## Informații suplimentare Publicatii

1. "Pierderea prin trefilare a straturilor de Zn respectiv de Zn-Al, depuse pe suprafata sarmelor de otel" - publicat in revista "Metalurgia" in noiembrie 2005,
2. "Evolutia fortei in procesul de trefilare a sarmelor de otel cu strat protector de Zn (respectiv de Zn-Al)" - publicat in revista "Metalurgia" in decembrie 2005,
3. Marius Tintelecan: Some aspects concerning the loss of anticorrosive layers deposited on steel wires surface, Matehn 2006,
4. Nistor L., Tintelecan M.: Modeling of geometry design in wire drawing using cassette roller die, Matehn 2006
5. Rus A., Tintelecan M.: Aspecte privind procesarea termomecanica si deformarea superelastica a unei table din aliajul 2024, in emisfere prin ambutisare gazostatica, Metalurgia, nr.9, 2008
6. Tintelecan M.: Evaluarea matematica a proprietatilor fizico-mecanice ale sarmelor din otel dupa trefilare, Metalurgia, nr.10, 2008
7. Tintelecan M., Rus A., Sas-Boca M, Ionut M.: The quantification effects' of steel wire drawing , Analele Universitatii Dunarea de Jos din Galati, Fascicola IX Metalurgie si Stiinta Materialelor, Nr.1, Vol. XXXIV ISSN 1453-083X, 2011
8. Rus A., Tintelecan M., Sas-Boca M, Novean D., Ionut M.: Superplastic Behavior of 2024 Aluminum Alloy Sheet Produced by Termomechanical Processing, Analele Universitatii Dunarea de Jos din Galati, Fascicola IX Metalurgie si Stiinta Materialelor, Nr.3, Vol. XXXIV ISSN 1453-083X, 2011
9. Sas-Boca M, Rus A., Tintelecan M., Ionut M., Nistor L: The Influence of Friction Forces in Metal Powders Compaction Process of Stainless Steel 316L, Analele Universitatii Dunarea de Jos din Galati, Fascicola IX Metalurgie si Stiinta Materialelor, Nr.2, Vol. XXXIV ISSN 1453-083X, 2011
10. Ionut M, Sas-Boca M, Rus A., Tintelecan M., Crina R., Noveanu D., Nistor L.: FEM Analysis of Spur Gears Press – Rolling Process, Tehnologii si Materiale Avansate, Lucrarile Conferintei Internationale UgalMat 2011, 21-22 oct. Galati
11. Tintelecan M., Monica Sas-Boca, Ilutiu Varvara D.A.: The influence of the dies geometry on the drawing force for steel wires-The 10th International Conference INTER ENG 2016 Interdisciplinarity in Engineering-Procedia Engineering-Elsevier ISBN: 1877-7058 volum.181 pag.193-199
12. Monica Sas-Boca, Tintelecan M, Pop M., Ilutiu Varvara D.A., Miha A.M.: The wire drawing process simulation and the optimization of geometry dies - The 10th International Conference INTER ENG 2016 Interdisciplinarity in Engineering-Procedia Engineering-Elsevier ISBN: 1877-7058 volum.181 pag.187-192
13. Ilutiu Varvara D.A., Marza C., Domnita F., Monica Sas-Boca, Tintelecan M.: An Assessment of the Metallic Iron Content from Metallurgical Wastes - Essential Factor for Sustainable Development in the Steelmaking Industry - The 10th International Conference INTER ENG 2016 Interdisciplinarity in Engineering-Procedia Engineering-Elsevier ISBN: 1877-7058 volum.181 pag.357-362
14. Tintelecan Marius, Sas-Boca Ioana Monica, Pop Mariana, Iluțiu-Varvara Dana-Adriana: A new technical version of wiping of the steel wire surface after "Hot Dip" zinc coating – The 11th International Conference INTER ENG 2017 Interdisciplinarity in Engineering-Procedia Engineering, Volume 22, 2018, Pages 93-98
15. Ioana Monica Sas-Boca, Marius Tintelecan, Mariana Pop, Dana-Adriana Iluțiu-Varvara, Adriana Maria Miha: The Wire Drawing Process Simulation and the Optimization of Geometry Dies - The 11th International Conference INTER ENG 2017 Interdisciplinarity in Engineering-Procedia Engineering, Volume 181, 2017, Pages 187-192
16. Dana-Adriana Iluțiu-Varvara, Carmen Maria Mârza, Florin Vasile Domnița, Ioana - Monica Sas - Boca, Marius Tintelecan: An Assessment of the Metallic Iron Content from Metallurgical Wastes - Essential Factor for Sustainable Development in the Steelmaking Industry - The 11th International Conference INTER ENG 2017 Interdisciplinarity in Engineering-Procedia, Volume 181, 2017, Pages 357-362
17. Tintelecan Marius, Iluțiu-Varvara Dana-Adriana, Oscar Rodriguez Alabanda, Sas-Boca Ioana Monica: A device for gear fabrication by hot rolling, on presses - The 12th International Conference INTER ENG 2018 Interdisciplinarity in Engineering-Procedia Engineering, Procedia Manufacturing, Volume 32, 2019, Pages 59-67
18. Ioana Monica Sas-Boca, Marius Tintelecan, Dana-Adriana Iluțiu-Varvara, Mariana Pop, Florin Popa: Research on the mechanical properties of C45/S235JR multilayer steel systems - The 12th International Conference INTER ENG 2018 Interdisciplinarity in Engineering-Procedia Engineering, Procedia Manufacturing, Volume 32, 2019, Pages 8-14
19. Dana – Adriana Iluțiu – Varvara, Marius Tintelecan, Claudiu Aciu, Ioana – Monica Sas – Boca, Roxana Mare: An Assessment of the Substance Losses from Charge Composition Used to the Steelmaking – Key Factor for Sustainable Steel Manufacturing - The 12th International Conference INTER ENG 2018 Interdisciplinarity in Engineering-Procedia Engineering, Procedia Manufacturing, Volume 32, 2019, Pages 15-21
20. Marius Tintelecan, Dana-Adriana Iluțiu-Varvara, Ioana Monica Sas-Boca: A Technical Version of Achieving a Brass Coated Surface on Steel Wires - The 13th International Conference INTER ENG 2019 Interdisciplinarity in Engineering-Procedia Engineering, Procedia Manufacturing, Volume 46,

2020, Pages 12-18

21. Ioana Monica Sas-Boca, Dan Frunză, Marius Constantin Tintelecan: Influence of Temperature and Strain Rate on Microstructure and Fracture Mechanism of Mild Steel - The 13th International Conference INTER ENG 2019 Interdisciplinarity in Engineering-Procedia Engineering, Procedia Manufacturing, Volume 46, 2020, Pages 891-898
22. Dana – Adriana Iluțiu – Varvara, Claudiu Aciu, Marius Tintelecan, Ioana – Monica Sas – Boca: Assessment of Recycling Potential of the Steel Mill Scale in the Composition of Mortars for Sustainable Manufacturing - The 13th International Conference INTER ENG 2019 Interdisciplinarity in Engineering-Procedia Engineering, Procedia Manufacturing, Volume 46, 2020, Pages 131-135
23. Ilutiu Varvara Dana Adriana, Tintelecan Marius, Aciu Claudiu, Sas Boca, Ioana Monica: Reuse of the Steel Mill Scale for Sustainable Industrial Applications - The 14th International Conference INTER ENG 2020 Interdisciplinarity in Engineering-Procedia Engineering, MDPI's Proceedings Journal, Volume 63, 2020, Pages 14-17
24. Tintelecan Marius, Ilutiu Varvara Dana Adriana, Oscar Rodriguez-Alabanda, Sas Boca Ioana Monica, Ionuț Marian, Aristides Santana Martinez Gustavo: Achieving a Toothed Gear on Presses - The 14th International Conference INTER ENG 2020 Interdisciplinarity in Engineering-Procedia Engineering, MDPI's Proceedings Journal, Volume 63, 2020, Pages 57-64
25. Oscar Rodriguez-Alabanda, Esther Molero, Tintelecan Marius, Guillermo Guerrero-Vaca, Pablo E. Romero, Gustavo Aristides Santana Martinez: Fine Electrolytic Tough Pitch Copper Multistage Wire Drawing Pass Schedule Design by Analytical and Numerical Methods - The 14th International Conference INTER ENG 2020 Interdisciplinarity in Engineering-Procedia Engineering, MDPI's Proceedings Journal, Volume 63(1), 2020, Pages 12-15
26. Gustavo Aristides Santana Martinez, Oscar Rodriguez-Alabanda, Umberto Prisco, Tintelecan Marius, Leonardo Kyo Kabayama: The influences of the variable speed and internal die geometry on the performance of two commercial soluble oils in the drawing process of pure copper fine wire, International Journal Of Advanced Manufacturing Technology vol. 118, 2021, DOI: 10.1007/s00170-021-08172-2
27. Marius Tintelecan, Dana-Adriana Iluțiu-Varvara, Oscar Rodriguez Alabanda, Ioana-Monica Sas-Boca & Gustavo Aristides Santana Martinez: Zn-Al Anticorrosive Coating Adapted to Obtain Protected Steel Wires - Inter-Eng 2021: The 15th International Conference Interdisciplinarity in Engineering pp 3–12
28. Dana-Adriana Iluțiu-Varvara, Marius Tintelecan, Claudiu Aciu, Carmen Maria Mârza & Ioana Monica Sas-Boca: An Assessment of the Metallic Iron Content from Steel Mill Scale – Essential Factor for Sustainability and Circular Economy - Inter-Eng 2021: The 15th International Conference Interdisciplinarity in Engineering pp 64–70
29. Tintelecan Marius, Ilutiu Varvara Dana Adriana, Sas Boca Ioana Monica, Claudiu Aciu: The Behavior of a Zn-Al Anticorrosive Coating in the Wire Drawing Process-published in MDPI's Journal: Materials, Volume 15, 2022, doi.org/10.3390/ma15186190
30. Ilutiu Varvara Dana Adriana, Tintelecan Marius, Claudiu Aciu, Sas Boca Ioana Monica: The Assessment of the Leaching Behavior of Metallurgical Wastes for a Sustainable Circular Economy - Inter-Eng 2022: The 16th International Conference Interdisciplinarity in Engineering pp 282–290
31. Sas Boca Ioana Monica, Ilutiu Varvara Dana Adriana, Tintelecan Marius, Claudiu Aciu, Dan Frunza, Florin Popa: Studies on hot rolling bonding of the Al-Cu bimetallic composite-published in MDPI's Journal: Materials, Volume 15, 2022, <https://doi.org/10.3390/ma15248807>

### Contracte de cercetare

1. FPC 5- finanțat de UE CRAFT-LOTHISS 2002/2004 - Realizarea de piese complexe din oțel rapid prin metalurgia pulberilor 2002-2004
2. Grant CNCISIS TIP A, cod 891, 2005, - Cercetari privind procesarea, caracterizarea si utilizarea spumelor metalice.2004-2006
3. INVENT 2003-2005 nr.108/22.10 - Procedu si dispozitiv pentru matritarea la cald a rotilor dintate cilindrice exterior 2003-2005
4. "Cercetari privind tehnologiile de realizarea pieselor sinterizate de inalta rezistenta destinate echipamentelor pentru agricultura si industrie alimentara, prin introducerea masurilor de protectia mediului" membru al acestui contract CEEX nr. 74/2005,
5. 'Tehnologii inovative de obtinere a contactelor electrice prin utilizarea extrudarii unghiulare in canale egale' membru in echipa contractului de INOVARE146/2008-2011,
6. 'Echipamente si tehnologii inovative specifice metalurgiei pulberilor' in echipa contractului INOVARE 103/4/01.10.2007/2007-2010

### Brevete de inventie sau propuneri de brevet de inventie

1. Tintelecan M.,:Procedeu de alămire a sârmei, brevet nr. 116147/1999
2. Tintelecan M., : Dispozitiv de stergere a suprafeței sârmei - propunere de brevet de inventie nr. a 2012 00473
3. Ionut M., Tintelecan M.,: Dispozitiv pentru laminarea longitudinală a rotilor dintate cu dantura dreapta, pe prese - brevet de inventie nr. 129217 din 29.01.2016
4. Tintelecan M., : Dispozitiv de stergere a sârmei zincate - brevet de inventie nr. 130512 din 30.01.2020
5. Tintelecan M., : Sistem de pozitionare a utilitatilor stradale - propunere de brevet de inventie nr. a 2015 00127

### Premii

1. Mențiune SRM (Societatea Romana de Metalurgie) 1996
2. Premiul III SRM (Societatea Romana de Metalurgie) 2000
3. Diploma de Excelenta si Medalia de Bronz (PRO INVENT 2013) 2013
4. Diploma de Excelenta si Medalia de Argint (PROINVENT 2013) 2013
5. Diploma de Excelenta si Medalia de Bronz (PRO INVENT 2014) 2014
6. Diploma de Excelenta si Medalia de Aur (PRO INVENT 2017) 2017
7. Diploma si Medalia de Argint (Traian Vuia- Timisoara 2017) 2017
8. Diploma of Silver Medal (EUROINVENT 2017) 2017
9. Diploma of Gold Medal (INVENTICA 2017-Iasi) 2017
10. Medalia de Argint (Expozitia Internationala Specializata «INFOINVENT» Chisinau) 2017
11. Diploma of Honor and Gold Medal (Inventica 2021)
12. Certificat of Award and Silver Medal (The 6th International Invention Innovation Competition in Canada, iCAN 2021)
13. Gold Medal is awarded to Wiping device of surface of the steel wire after galvanizing (EURO INVENT 2021)
14. Medalia de aur pentru inventia Dispozitiv de stergere a suprafeței sârmei de otel, dupa zincare (Salonul de inventii si inovatii TRAIAN VUJIA, Timisoara)
15. Diplomă și Medalia de Argint (Expozitia Internationala Specializata «INFOINVENT» Chisinau) 2021
16. Diploma de Excelență si Medalia de Aur (PROINVENT) 2021