



CURRICULUM VITAE

Ionel SIMION

University Professor Phd.



Engineering Graphics and Industrial Design Department
Faculty of Aerospace Engineering
POLITEHNICA University of Bucharest

Personal information

E-mail: ionel.simion@upb.ro
Nationality: Romanian
Date/Place of birth: 28 November 1957 / Fieni, Dâmbovița, Romania
Office: BN 328, Splaiul Independenței, 313, Sector 6, RO-77206, București, Romania

Professional Experience

2001 - now: University Professor, POLITEHNICA University of Bucharest
1984-2001: Assistant Professor, Associate Professor, POLITEHNICA University of Bucharest
1983-1984: Engineer, „Danubiana” Company from Bucharest
1982-1983: Engineer, Mechanical Company from Ploeni,

Education and training

Dates: 1977-1982
Name and type of organisation providing education and training: Faculty of Machine Manufacturing Technology, POLITEHNICA University of Bucharest
Title of qualification awarded: Diplome Engineer Degree
Dates: 1995
Name and type of organisation providing education and training: POLITEHNICA University of Bucharest
Title of qualification awarded: Ph.D./Doctore in Technical Sciences
Dates: 2005, 2007
Name and type of organisation providing education and training: British Academy for Business and Communication
Title of qualification awarded: Strategic Management, Human Resources Management, Communication in Business, Promotion and Publicity, Marketing

Foreign languages

Self-evaluation
European level *
French
English

Understanding		Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production	
B2		B2		A2		A2	
B2		B2		A2		A2	

(*) Common European Framework of Reference for Languages

Social competences and aptitudes

Spirit of initiative, capacity to work individually or in teams, quick adaptability, capacity of communication and public presentation in diverse cultural environments - result of complex activities with students, academic and technical staff, other people in the country and abroad.

Organisational skills and competences

	Capacity to coordinate activities and groups of people, manifested in the educational activities with large series students, in projects, and in scientific and administrative positions, as subject titular, project director, head of department, evaluation committees, etc.
2009-present	PhD coordinator
2012-2016	Commission member CNATDCU (National Council for Attestation of University Degrees, Diplomas and Certificates) Engineering Sciences
2001 - 2005	Head of Descriptive Geometry and Engineering Graphics Department, Faculty of Aerospace Engineering, POLITEHNICA University of Bucharest
2005- now	Director of Engineering Graphics and Industrial design Department, Faculty of Aerospace Engineering, POLITEHNICA University of Bucharest
2001 - now	Senate's Member of POLITEHNICA University of Bucharest
1998 - now	Member of the Academic Council - Aerospace Engineering Faculty, POLITEHNICA University of Bucharest
2002 - now	Director of Instruction Centre for Engineering Graphics
2009-now	President of the Romanian Society of Engineering Graphics SORGING
2005	Chairman of 1st International Conference in Engineering Graphics and Design, Bucharest (ICEGD), 2005
2007, 2009, 2011, 2013, 2015, 2017, 2019	Co-Chairman of next editions of International Conference in Engineering Graphics and Design (ICEGD), Galati, Cluj-Napoca, Iași, Timișoara, Brașov, Constanța, Craiova
Scientific and Technical Competencies	
Major interests	• Computer Graphics • Computer Aided Design • Web Design • Mechanical Technology
Relevant results	• Algorithms on graphics • Defining and mathematical formalizing of a new coordinates transformation method for orientation error • Theoretical and experimental modeling of basic themes associated to Engineering Graphics; • Geometric modelling
Didactic Activity	Courses (1st cycle): „Descriptive Geometry”, „Engineering Graphics and Infographics „Engineering Graphics”, „Computer Graphics”, „Technical Drawing”, “Graphic Design”, “Computer Aided Design”, “Solid models”, “Integrated graphics” Courses (master): „Three-dimensional Design”, „Web design”, „Geometric Modelling” “CAD”,
Publications	19 books published in Romania 2 books published in USA 92 scientific papers 35 research contracts
Affiliations	International Society for Geometry and Graphics (ISGG) Romanian Society for Engineering Graphics (SORGING) Romanian Society of Automotive Engineers (SIAR) Romanian Association for Theory of Machines and Mechanisms (ARoTMM)
Coordinated doctoral theses	2013 - Avramescu (Bogza) Ana-Maria, Approche de l'impact des matériaux bio-sources sur la qualité perçue des produits : cas de la fibre de lin, cotutelle UPB-Belfort Montbéliard 2014 - Dobre (Enache) Ioana Cătălina, Contributions to the optimization of the refrigeration assembly process. Case studies at SC ARCTIC Găești. 2015 – Rugescu Ana-Maria , Psychological, aesthetic and ergonomic landmarks in industrial design, cotutelle UPB Faculty of Psychology 2016 – Arion Aurel, Research on the influence of additive manufacturing technologies on the design of industrial products. 2016 – Radu Ionut, Waste reduction systems resulting from the combustion process of engines 2019 – Cucu Lucia, Research on the modularization of luggage transport by rail

Annexes

Published works list (selection)

A. Doctoral thesis: Research on the accuracy characteristic of the information guidance symbol for determination of orientation errors in the orientation and fixing schemes of machining devices on machine tools - POLITEHNICA University of Bucharest, 1995.

B. Published books (selection)

- B1. Simion I. – AUTOCAD 2005 for Engineers –TEORA USA LLC Publishing House, Wisconsin, USA, ISBN 1-59496-033-X, ISBN 881920000154, ISBN 9781594960338, 2005.
- B2. Simion I., Gh. Marin– GRAPHIQUE TECHNIQUE – editura RISOPRINT, Cluj-Napoca, 2002, ISBN 973-656-202-6.
- B3. Simion I. – DESCRIPTIVE GEOMETRY – British-Romanian University Publishing House, Bucharest, ISBN 978-606-8163-01-7, 2010.
- B4. Simion I. - *ENGINEERING DESIGN GRAPHICS* - editura BREN, București, 2014, ISBN 978-606-610-118-9.
- B5. Simion I. – AUTOCAD 2011 pentru ingineri – editura TEORA, București, ISBN 10:973-20-1224-2, ISBN 978-973-20-1224-6, 2011.
- B6. Simion I. – Geometrie descriptivă, desen tehnic și infografică – editura BREN, București, ISBN 978-973-648-906-8, 2010.
- B7. Simion I. – DESEN TEHNIC – vol.1 and vol.2– editura BREN, București, ISBN 978-973-648-910-5, ISBN 978-973-648-911-2 / ISBN 978-973-648-910-5, ISBN 978-973-648-912-9, 2010.
- B8. Simion I. – CATIA Ghid de modelare – editura BREN, București, ISBN 978-973-648-861-0, 2009.
- B9. Simion I. – AUTOCAD 2008 pentru ingineri – editura TEORA, București, ISBN 973-20-1135-1, ISBN 978-973-20-1135-5, 2008.
- B10. Simion I. – Proiectarea paginilor WEB – editura TEORA, București, ISBN 973-20-0258-1, 2005.
- B11. Aldea S., Simion I. – DESEN ȘI GRAFICĂ PE CALCULATOR – editura BREN, București, ISBN 973-9427-56-4, 2002.
- B12. Simion I. – GRAFICĂ INGINEREASCĂ -Introducere în proiectare – editura PRINTECH, București, ISBN 973-652-403-5, 2001. Dobre D., Simion I. – DESEN TEHNIC INDUSTRIAL – editura BREN, București, ISBN 973-99065-9-1, 1999.
- B13. Simion I. – ÎNȚIȚIERE ÎN AutoCAD și MicroStation – editura BREN, București, ISBN 973-9427-07-3, 1998.
- B14. Simion I. , Aldea S. – GRAFICĂ ASISTATĂ DE CALCULATOR – editura BREN, București, ISBN 973-98447-6-6, 1998.

C. Articles published in specialized journals (selection):

- C1. Brăileanu P.I., Simion I., Bou-Saïd B, Prisecaru D.A., Crișan N. (2020). 'CUSTOM HIP STEM ADDITIVE PROTOTYPING USING SMART MATERIALS', *Materiale Plastice*, 57(2), pp. 152-158, ISSN 0025-5289, dec. 2020. <https://revmaterialeplastice.ro/Articles.asp?ID=5268>, doi.org/10.37358/Mat.Plast.1964 , pending WOS
[Science Citation Index Expanded (SCI-EXPANDED)], *[Chemical Abstracts]*] ISI Thomson
- C2. Bendic, V.; Dobrotă, D.; Simion, I.; Bălan, E.; Pascu, N.-E.; Tilina, D.I., (2020). 'METHODS FOR DETERMINING THE THERMAL TRANSFER IN PHASE-CHANGING MATERIALS (PCM)', *Polymers*, vol 12, issue 2, pp. 467, ISSN 2073-4360, 2020., Publisher MDPI, ST ALBAN-ANLAGE 66, CH-4052 BASEL, SWITZERLAND, WOS: 000519849800217, Impact factor 3,164 (2018), 3,542 (5 years) , DOI 10.3390/polym12020467
[Science Citation Index Expanded (SCI-EXPANDED)], *[Web of Science (Clarivate Analytics)]* *[Science Citation Index Expanded (SCI-EXPANDED)]*, *[Journal Citation Reports / Science Edition (Clarivate Analytics)]* *[Scopus (Elsevier)]* *[PubMed]* *[Chemical Abstracts]*, *[DOAJ]*, *[Ei Compindex / Engineering Village (Elsevier)]*
- C3. Dobrescu, T., Pascu, N., Jiga, G., Simion, I., Adir, V., Enciu, G., Tudose, D.I. (2019). 'TENSILE BEHAVIOR OF PLA AND PLA COMPOSITE MATERIALS UNDER DIFFERENT PRINTING PARAMETERS', *Materiale Plastice*, 56(4), pp. 783-800, ISSN 0025-5289, dec. 2019.
<https://revmaterialeplastice.ro/Articles.asp?ID=5268>, WOS: 000509920700017, Impact factor 1,393
[Science Citation Index Expanded (SCI-EXPANDED)], *[Chemical Abstracts]*] ISI Thomson
- C4. Răduică F.F., Enache C., Simion I.; EFFECTIVE WAYS OF MANAGING WEBSITES FOR ACADEMIC INSTITUTIONS, PEOPLE: *International Journal of Social Sciences*, vol. 5 No 3, pp. 206-214 ISSN 2454-5899, DOI: 10.20319/pijss.2019.53.206214 (<https://doi.org/10.20319/pijss.2019.53.206214>), 2019

[GOOGLE SCHOLAR], [INDEX COPERNICUS], [CROSSCHECK – ITHENTICATE], [CROSSREF], [SCRIBD], [PORTICO], [DRJI INDEXING], [ROAD: DIRECTORY OF OPEN ACCESS SCHOLARLY RESOURCES], [THE KEEPERS REGISTRY], [OAI-PMH REGISTERED DATA PROVIDER], [PKP INDEX], [PROQUEST - ULRICH'S]

- C5. Patricia Isabela Brăileanu, Ionel Simion, Benyebka Bou-Saïd, Gina Stoica, METHOD OF EXTRACTING HIP JOINT BONES FROM C.T. IMAGES IN ORDER TO PERFORM STATIC F.E.A. STUDY, SCIENTIFIC BULLETIN, Seria D, vol 2, issue 2, pp. 153-164, ISSN (print): 1454-2358, 2019.
[ULRICHS INTERNATIONAL PERIODICALS DIRECTORY], [INSPEC], [SCOPUS], [ELSEVIER SCIENCES'S BIBLIOGRAPHIC DATABASES], [metadex], [ENGINEERING VILLAGE], [CAMBRIDGE SCIENTIFIC ABSTRACTS], [ENGINEERED MATERIALS ABSTRACTS], [COMPENDEX]
- C6. Patricia Isabela Brăileanu, Ionel Simion, Benyebka BOU-SAÏD, RESEARCHING AND TRENDS IN OPTIMIZING HIP JOINT PROSTHESIS, Journal for industrial design and engineering graphics, vol 14, issue 1, pp. 221-226, ISSN 1843-3766, 2019.
[IndexCopernicus], [DOAJ - Directory of Open Acces Journals], [EBSCO - Publishing], [ProQuest]
- C7. Mihail Valentin Hornea, Ionel Simion, USING PERTURBED AIRFLOW SURFACES TO REDUCE DRAG, Journal for industrial design and engineering graphics, vol 14, issue 1, pp. 221-226, ISSN 1843-3766, 2019.
[IndexCopernicus], [DOAJ - Directory of Open Acces Journals], [EBSCO - Publishing], [ProQuest]
- C8. Georgian-Sergiu Neagoie, Ionel Simion, LPG, ALTERNATIVE FUEL FOR INTERNAL COMBUSTION ENGINES, Journal for industrial design and engineering graphics, vol 13, issue 2, ISSN 1843-3766, 2018.
[IndexCopernicus], [DOAJ - Directory of Open Acces Journals], [EBSCO - Publishing], [ProQuest]
- C9. Patrașcu A., Simion I., THERMAL ENGINE AIR INTAKE SYSTEM, Journal for industrial design and engineering graphics, vol 13, issue 1, ISSN 1843-3766, 2018.
[IndexCopernicus], [DOAJ - Directory of Open Acces Journals], [EBSCO - Publishing], [ProQuest]
- C10. Rusoiu T., Simion I., ASSEMBLY OF THE PRIMARY STRUCTURE OF AN AIRPLANE FUSELAGE, Journal for industrial design and engineering graphics, vol 13, issue 1, ISSN 1843-3766, 2018.
[IndexCopernicus], [DOAJ - Directory of Open Acces Journals], [EBSCO - Publishing], [ProQuest]
- C11. Pascale D., Simion I., MULTI-MATERIAL 3D PRINTER EXTRUDER CONCEPT, Journal for industrial design and engineering graphics, vol 13, issue 1, ISSN 1843-3766, 2018.
[IndexCopernicus], [DOAJ - Directory of Open Acces Journals], [EBSCO - Publishing], [ProQuest]
- C12. Bubulete A., Simion I., CONCEPTION DES ECHAPPEMENTS POUR LES MOTEURS A L'ESSENCE, Scientific Bulletin, series D, Mechanical Engineering, ISSN 1454-2538, Vol 80, ISS 2, 2018.
[Ulrich'S International Periodicals Directory], [SCOPUS], [INSPEC], [METADEX], [ELSEVIER SCIENCES BIBLIOGRAPHIC DATABASES], [Sciverse SCOPUS], [Engineering Village], [Cambridge Scientific Abstracts], [COMPENDEX]
- C13. Răduică F., Simion I., IMPROVING STRUCTURAL INTEGRITY OF WIND TURBINE IN EXTREME CONDITIONS WITH THE HELP OF TELECOM NETWORKS, Journal for Industrial Design and Engineering Graphics, vol 12, issue 2, ISSN 1843-3766, 2017.
[IndexCopernicus], [DOAJ - Directory of Open Acces Journals], [EBSCO - Publishing], [ProQuest]
- C14. Răduică F., Simion I., DESIGN MODELLING AND ANALYSIS OF A WIND TURBINE BLADE SUPPORT SYSTEM, Journal for Industrial Design and Engineering Graphics, vol 12, issue 1, ISSN 1843-3766, 2017.
[IndexCopernicus], [DOAJ - Directory of Open Acces Journals], [EBSCO - Publishing], [ProQuest]
- C15. Perederic C, Simion I., VIRTUALIZATION OF AIRPORT OPERATIONS, Journal for Industrial Design and Engineering Graphics, vol 12, issue 1, ISSN 1843-3766, 2017.
[IndexCopernicus], [DOAJ - Directory of Open Acces Journals], [EBSCO - Publishing], [ProQuest]
- C16. Cucu L., Simion I., Puyuelo Cazorla M Stoica G. F., Cănanău S. - ERGONOMICS AND ACCESSIBILITY IN PASSENGER TRAINS, S.
[Ulrich'S International Periodicals Directory], [SCOPUS], [INSPEC], [METADEX], [ELSEVIER SCIENCES BIBLIOGRAPHIC DATABASES], [Sciverse SCOPUS], [Engineering Village], [Cambridge Scientific Abstracts], [COMPENDEX]
- C17. Simion I., Arion A.F., DIMENSIONING RULES FOR 3D PRINTED PARTS USING ADDITIVE TECHNOLOGIES (FDM), Scientific Bulletin, series D, Mechanical Engineering, ISSN 1454-2538, Vol.78, ISS.2, 2016.
[Ulrich'S International Periodicals Directory], [SCOPUS], [INSPEC], [METADEX], [ELSEVIER SCIENCES BIBLIOGRAPHIC DATABASES], [Sciverse SCOPUS], [Engineering Village], [Cambridge Scientific Abstracts], [COMPENDEX]
- C18. Carutasu N.L., Simion I., Carutasu G., Jiga G., Arion A.F., EXPERIMENTAL TEST FOR ELASTIC AND MECHANICAL EVALUATION OF ABS PLASTIC USED IN 3D PRINTING, Revista de materiale plastice, volume 52, no. 3, pp. 397-401, ISSN 0025-5289, 2015.
WOS:000362382300028, Impact factor 1,24
[Science Citation Index Expanded (SCI-EXPANDED)], [Chemical Abstracts]] ISI Thomson
- C19. Cucu L., Simion I., Stoica G. F., Cănanău S. - MODULAR DESIGN FOR STORAGE OF LUGGAGE IN PASSENGER TRAINS , Sci.Bull.U.P.B. Series D, vol.77, nr. 1-2, pag. 225-234, ISSN 1454-2358, 2015.
[Ulrich'S International Periodicals Directory], [SCOPUS], [INSPEC], [METADEX], [ELSEVIER SCIENCES BIBLIOGRAPHIC DATABASES], [Sciverse SCOPUS], [Engineering Village], [Cambridge Scientific Abstracts], [COMPENDEX]

- C20. Avramescu A. M., Bazzaro F., Mahdjoub M., Sagot J.C., Simion I., ELABORATION D'UNE DÉMARCHE POUR L'ANALYSE SENSORIELLE TACTILE DES MATÉRIAUX BIO-SOURCÉS, Scientific Bulletin of "POLITEHNICA" University from Bucharest, Series B, Vol. 76, Iss. 1, pp. 235-246 ISSN 1454 – 2331, 2014.
[Ulrich'S International Periodicals Directory], [SCOPUS], [INSPEC], METADEX, [ELSEVIER SCIENCES BIBLIOGRAPHIC DATABASES], [Sciverse SCOPUS], [Engineering Village], [Cambridge Scientific Abstracts], [COMPENDEX]
- C21. Enache I.C., Simion I., Chiscop F., Chiscop M.A. INJECTION PROCESS IMPROVING USING SIX SIGMA, Scientific Bulletin of "POLITEHNICA" University from Bucharest, Series D, Vol. 76, Iss. 1, pp. 161-170, 2013, ISSN: 1454-2358, 2014.
[Ulrich'S International Periodicals Directory], [SCOPUS], [INSPEC], METADEX, [ELSEVIER SCIENCES BIBLIOGRAPHIC DATABASES], [Sciverse SCOPUS], [Engineering Village], [Cambridge Scientific Abstracts], [COMPENDEX]
- C22. Enache I.C., Simion I., Avramescu A.M., Chiscop F., Chiscop M.A., (2014), Using 6 SIGMA in system capability diagnosis to increase productivity, U.P.B. Sci. Bull., Series D, Vol. 76, Iss. 2, ISSN 1454-2358
[Ulrich'S International Periodicals Directory], [SCOPUS], [INSPEC], METADEX, [ELSEVIER SCIENCES BIBLIOGRAPHIC DATABASES], [Sciverse SCOPUS], [Engineering Village], [Cambridge Scientific Abstracts], [COMPENDEX]
- C23. Simion I., (2013) GEOMETRIC MODELING IN ENGINEERING CURRICULUM, Scientific Bulletin of "POLITEHNICA" University of Timisoara, Transactions on Hydrotechnics, Tom 57(71), Fascicola 2, pp. 75-78, ISSN: 1224-6042, 2013.
[IndexCopernicus]
- C24. Dobre C., Simion I., Chiscop F. (2012) DETERMINATION AND ELIMINATION THE MATERIAL FLUX CONCENTRATOR FOR AN ASSEMBLY LINE- CASE STUDY. Academic Journal of Manufacturing Engineering, volume10, issue 4/2012, pp. 24-29, ISSN: 1583-7904. 2012.
[IndexCopernicus]
- C25. Simion I, Simion A., CONSTRUCTIVE METHODS IN SOLID MODELING, Acta Technica Napocensis, Series Applied Mathematics and Mechanics, Volume 1a, no.52, pp. 357-360, ISSN 1221-5872, 2009.
[Index Copernicus +] [CNCISIS]
- C26. Simion I, Simion A., DESIGN AND COMMUNICATION GRAPHICS, Acta Technica Napocensis, Series Applied Mathematics and Mechanics, Volume 1a, no.52, pp. 361-365, ISSN 1221-5872, 2009.
[Index Copernicus +] [CNCISIS]
- C27. E. Tapu, Simion I., SIMULATION TECHNIQUES OF THE CONTACT RESISTANCE IN ADHESIVE CONDUCTORS, revista Metalurgia Internațional, Volume XIV, no.5, pp. 45-51, ISSN 1582-2214, 2009, WOS:000265002400008.
[ISI THOMSON] [Science Citation Index Expanded], [Journal Citation Reports/Science Edition], [ELSEVIER BIBLIOGRAPHIC DATABASES], [COMPENDEX], [SCOPUS], [EBSCO IPSWICH], [THE BRITISH LIBRARY]
- C28. Dobre D., Simion I., MATERIALS SELECTION FOR IMPROVING THE PERFORMANCE OF FLEXIBLE MEMBRANES FROM THE STRUCTURE OF ELASTIC COUPLINGS, revista Metalurgia Internațional, Volume XIV, no.2, pp. 21-24, ISSN 1582-2214, 2009. WOS:000265002400008. [ISI THOMSON] [Science Citation Index Expanded], [Journal Citation Reports/Science Edition], [ELSEVIER BIBLIOGRAPHIC DATABASES], [COMPENDEX], [SCOPUS], [EBSCO IPSWICH], [THE BRITISH LIBRARY]
- C29. Simion I., Simion A., INFOGRAPHICS IN THE DESIGN OF TRANSMISSIONS ELEMENTS, Ovidius University Annals of Mechanical, Industrial and Maritime Engineering, Volume X, Tom I, pp.93-98, ISSN 1224-1776, 2008.
[INSPEC]; [CSA]
- C30. Simion I., MODEL FOR GEOMETRIC PRODUCT SPECIFICATION, Buletinul Științific al Universității Politehnica din București, seria D, vol. 70, nr. 2, pp. 65-76, ISSN 1454-2358, 2008.
[CAMBRIDGE SCIENTIFIC ABSTRACTS]; [THE IEE INSPEC]; [ELSEVIER SCIENCES'S BIBLIOGRAPHIC DATABASES]; [SCOPUS]; [ENGINEERING VILLAGE]; [COMPENDEX]; [METADEX]
- C31. Simion I., Ghionea A., GEOMETRIC PRODUCT SPECIFICATION FOR TOLERANCE ANALYSIS, International Conference of Manufacturing systems, ICMAS, ISSN 1842-3183, pp. 185-188, Editura Academiei Române, București, 2007.
[INSPEC]
- C32. Simion I., MATHEMATICAL MODEL TO FORMALIZE ORIENTATION ERROR – Proceedings of the 15th International Conference on Manufacturing Systems, ICMAS, pp. 481-484, Published by Editura Academiei Române, Bucharest, ISSN 1842-3183, 2006.
[INSPEC]
- C33. Dobre D., Simion I., ANALIZA MODALĂ A MEMBRANEI FLEXIBILE DIN COMPONENTA CUPLAJULUI ELASTIC CU ELEMENTE METALICE TIP MEMBRANĂ, Revista Construcția de mașini, pp. 35-37, 2005.
[INSPEC]
- C34. Simion I., A PROPOSAL FOR AN ON LINE LIBRARY OF ORIENTATION ERROR- Romanian Journal of Technical Sciences – Applied Mechanics, tome 49, ISSN 0035-4074, ISBN 973-27-1102-7, pp. 607-610, Published by Editura Academiei Române, Bucharest, 2004.
[INSPEC]

D. Articles published in the volumes of international scientific events (congresses, conferences):

- D1. Haraga G., F. Raduica, Simion I.; *B-LEARNING, THE BEST WAY TO TEACH ECODESIGN*, 15th eLearning and Software for Education Conference - eLSE 2019, Bucharest., Book Series: eLearning and Software for Education, Volume 2, Pages: 237-244, WOS:000473324400034, DOI: 10.12753/2066-026X-19-103
[ISI Proceedings]
- D2. Patricia Isabela Brăileanu, Ionel Simion, Benyebka Bou- Saïd, Gina Florica Stoica - *REDUCING EARLY INTRAPROSTHETIC DISLOCATION BY USING PERSONALIZED HIP JOINT PROSTHESIS DESIGN AND VIRTUAL PREOPERATIVE PLANNING*, 5th International Multidisciplinary Scientific Conference SOCIAL SCIENCES AND ARTS, SGEM 2018, Albena, Bulgaria, Conference proceedings vol.5, Urban Planning, Architecture and design, Issue 5.3, 30 June-9 July 2018 DOI: 10.5593/SGEMSocial
[ISI Proceedings]
- D3. Patricia Isabela Brăileanu, Ionel Simion, Benyebka Bou- Saïd, Nicoleta Crișan - *CUSTOM HIP IMPLANT DESIGN OPTIMISATION*, The 19th International Conference on Research and Education in Mechatronics, REM 2018, Delft, Netherland, Electronic ISBN 978-1-5386-5413-2, ISBN 978-1-5386-5414-9, june 2018, INSPEC Accession Number 17962718, DOI: 10.1109/REM.2018.8421805, Publisher: IEEE, Date Added to IEEE Xplore: 31 July 2018
[ISI Proceedings]
- D4. Stoica, Ionel Simion, Gina Stoica, *DESIGN AND OPTIMISATION THE CONCEPT OF A PASSENGER TRAIN STORAGE SYSTEM*, 5ième Congrès International Francophone de Mécanique Avancée (CIFMA 2018), Beirut, Lebanon. Revista MATEC Web Conf., Volume 261, eISSN: 2261-236X, 2019
[ISI Proceedings]
- D5. Radu Ionuț-Valentin, Simion Ionel, - *BASIC ZEOLITES AS ENVIRONMENTALLY FRIENDLY CATALYSTS*, International Conference on Innovative Technologies, IN-TECH 2016, Czech Republic, ISSN 1849-0662, 2016.
[ISI Proceedings]
- D6. Bogza A. M., Simion I., Enache I.C., (2013). *QUALITY IN INDUSTRIAL DESIGN*, Annals of DAAAM for 2012 & Proceedings of the 23rd DAAAM Symposium "Intelligent Manufacturing & Automation", pag. 103-108, ISSN 1726-9679, ISBN 978-3-901509-83-4, 24-27th October 2012, Zadar, Croatia, Published by DAAAM International, Vienna, 2012. WOS:000392423800048
[ISI Web of Science] [Thomson Reuters]
- D7. Enache I.C., Chiscop F., Simion I., Funar S.P., (2012). *MANUFACTURING ARCHITECTURE DIAGNOSIS USING DISCRETE MATERIAL FLOW MANAGEMENT*, Annals of DAAAM for 2012 & Proceedings of the 23rd DAAAM Symposium "Intelligent Manufacturing & Automation", . pag. 205-208, ISSN 1726-9679, ISBN 978-3-901509-83-4, 24-27th October 2012, Zadar, Croatia, Published by DAAAM International, Vienna, 2012. WOS:000392423800048
[ISI Web of Science] [Thomson Reuters]
- D8. Bogza A.M., Bogza P.C., Simion, I. (2012). *STUDIES ON THE INFLUENCE OF SUBDIVISION SURFACE USED IN GEOMETRIC MODELING*. Proceedings ModTech International Conference "Modern Technologies, Quality and Innovation", ISSN 2069-6736, pp 129-132, Published by ModTech Publishing House, Sinaia, Romania, 2012. WOS:000392261800033
[ISI THOMSON]; [CSA]
- D9. Enache, I.C; Simion, I.; Bogza, A.M. (2012). *INFLUENCE OF SHAPE PRODUCT DESIGN IN THE MANUFACTURING PROCESS*. Proceedings of 8th International DAAAM Baltic Conference "INDUSTRIAL ENGINEERING", ISBN 978-9949-23-265-9, pp 33-38, Editor T. Otto, Published by DAAAM Baltic, Tallinn University of Technology, Tallinn, Estonia, 2012 WOS:000392535600004
[ISI THOMSON]; [CSA]
- D10. Simion, I.; Dobre, D.; Pascu, N.; Adir, V. & Adir, G. (2009). *Learning System for Engineering Graphics and Design* (2009). Annals of DAAAM for 2009 & Proceedings of the 20th International DAAAM Symposium, ISBN 978-3-901509-70-4, ISSN 1726-9679, pp 059, Editor B[ranko] Katalinic, Published by DAAAM International, Vienna, Austria, 2009. WOS:000282335600059
[ISI THOMSON]; [CSA]
- D11. Simion I., D. Dobre, *MODELING THE PRECISION ORIENTATION IN FIXTURE DESIGN FOR MANUFACTURING* – Proceedings of 1st International Conference on Manufacturing Engineering Quality and Production Systems (MEQUAPS ,09) (volume 1), pp. 45-50, Brasov, Romania, published by WSEAS Press, ISSN 1790-2769, ISBN 978-960-474-121-2, 2009. WOS:000275966900005
[ISI THOMSON]; [CSA]

- D12. Dobre D., I Simion I., DESIGN THE ELASTIC COUPLING WITH METALLIC FLEXIBLE MEMBRANES – Proceedings of 1st International Conference on Manufacturing Engineering Quality and Production Systems (MEQUAPS ,09) (volume 1), pp. 51-56, Brasov, Romania, published by WSEAS Press ISSN 1790-2769, ISBN 978-960-474-121-2, 2009. WOS:000275966900004
[ISI THOMSON]; [CSA]
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