

Curriculum vitae



Personal information

Surname(s) / First name(s) **Grigore Marian Pop**

Address(es) [Redacted]

Telephone(s) [Redacted]

E-mail) [Redacted]

Nationality) [Redacted]

Date of birth [Redacted]

Gender [Redacted]

Work experience

Dates	01.10.2011-now
Occupation or position held	Lecturer
Main activities and responsibilities	Tolerances and dimensional Control, Quality Management, Basic Metrology, Geometrical Product Specification
Name and address of employer	Technical University of Cluj-Napoca Faculty of Machine Building, Department of Design Engineering And Robotics Bld. Muncii 103-105, 400641, Cluj-Napoca, România
Type of business or sector	Teaching and Research
Dates	01.10.2008 - 5.07.2010
Occupation or position held	Key-Account Manager (full time)
Main activities and responsibilities	Project Coordinator,
Name and address of employer	Fromm Engineering SRL, Bld. 21 Decembrie, 131/135, Cluj-Napoca, Romania
Type of business or sector	Automotive
Dates	01.10.2007 - 16.04.2008
Occupation or position held	Sales and Application Engineer
Main activities and responsibilities	Identifying potential customers, Sales, Aquisitions
Name and address of employer	Fromm Engineering, Roter Stich 131, 70376, Stuttgart, Germania
Type of business or sector	Automotive



Dates 01.05.2007 - 01.09.2007
Occupation or position held Internship
Main activities and responsibilities Cost reduction by developing new suppliers for the Production Plant in Timisoara
Name and address of employer MAHLE Filtersysteme GmbH, Pragstr. 54, 70376, Stuttgart, Germania
Type of business or sector Automotive Industry

Education and training

Dates 01.10.2008 –30.09.2011
Title of qualification awarded PHD
Principal subjects/occupational skills covered Industrial Engineering
Name and type of organization providing education and training Technical University of Cluj-Napoca
Faculty of Machine Building
Bld. Muncii 103-105, 400641, Cluj-Napoca, România

Dates 01.07.2010 – 28.02.2011
Title of qualification awarded External Mobility
Principal subjects/occupational skills covered Research / Thermisches verhalten beim bohren von CFK/ Thermal Behavior during the drilling process of Carbon Fiber Reinforced Composites
Name and type of organization providing education and training Universität Stuttgart, Institut fuer Werkzeugmaschinen, Holzgartenstraße 17, 70174, Stuttgart, Germany

Dates 01.08.2011 - 01.09.2011 / 01.08.2009 - 31.08.2009 / 01.08.2006 - 01.09.2006
Title of qualification awarded DAAD Scholarship
Principal subjects/occupational skills covered Change of experience
Intensive Language Sommer cures
Name and type of organization providing education and training University Stuttgart
Institute IFW
Holzgartenstraße 17, 70174, Stuttgart, Germany

Dates 01.10.2008 – 01.06.2009
Title of qualification awarded 1 Year Master
Principal subjects/occupational skills covered Computer aided design of complex pieces in unconventional Technologies in German Language
Name and type of organization providing education and training Technical University of Cluj-Napoca
Faculty of Machine Building
Bld. Muncii 103-105, 400641, Cluj-Napoca, România

Dates 01.10.2003 - 01.10.2008
Title of qualification awarded Diplomat Engineer
Principal subjects/occupational skills covered Machine Building, German section
Name and type of organization providing education and training Technical University of Cluj-Napoca
Faculty of Machine Building

Dates 01.05.2007 - 01.09.2007
Title of qualification awarded DAAD Scholarship



Principal subjects/occupational skills covered Machine Building
Studied the eighth Semester

Name and type of organization providing education and training University Stuttgart
Institute IFW
Holzgartenstraße 17, 70174, Stuttgart, Germany

Dates 15.09.2000 - 01.06.2003

Title of qualification awarded Highschool degree

Principal subjects/occupational skills covered Intensive Mathematics and Informatics

Name and type of organization providing education and training Technical High school INFOEL
Calea Moldovei 20, 420096, Bistrița, Romania

Personal skills and competences

Mother tongue(s) Romanian

Other language(s)

Self-assessment

European level (*)

English

German

Understanding

Listening

Reading

LCCI
level 5

LCCI level
5

B2

B2

Speaking

LCCI
level 5

B2

Writing

LCCI
level 5

B2

GRANTS, INSTITUTIONAL PROJECTS

Project Manager:

1. Researches regarding the machining of advanced materials such as carbon fiber reinforced composites, internal competition for young teams/Cercetari fundamentale si experimentale privind prelucrarea materialelor avansate precum materialele compozite armate cu fibre de carbon; competiția internă 2014-2015 - Teme Strategice De Cercetare Pentru Echipe Tinere - tip 1.2 , nr 29545/9.12.14.

Project leader in contracts with the industry: □

1. Metrology courses, contract signed between Technical University of Cluj-Napoca and S.C. Emerson S.R.L, contract no. 29286/8.12.2014. □
2. Evaluation and analysis of requirements, functions and characteristics for a concept using Qualica QFD, contract signed between Technical University of Cluj-Napoca and SC Toni Green Energy SRL, contract no. 17/18.08.2014. □
3. Metrology courses contract signed between Technical University of Cluj-Napoca and SC European Fabrications SRL, contract no. 83/13.12.2013.

Member of the research team in the following projects:

1. New developments in water jet cutting for accurate machining of the advanced composite materials PreMCo.
2. Geometrical Product Specification and Verification as toolbox to meet up-to-date technical requirements, Erasmus
3. cod DTP2-012-1.2, finanțat prin Programul Interreg Danube Transnational Programme, "Danube Chance 2.0 on second chance entrepreneurship", director proiect conf. dr. ing. Mihai Dragomir
4. SMART FACTORY HUB Improving RD and business policy conditions for transnational cooperation in the manufacturing industry, director Contract prof. dr. ing. Daniela Popescu +



Professional recognition and international visibility:

□ **Member** of the organizing committee:

1. ICPR QIEM, QUALITY AND INNOVATION IN ENGINEERING AND MANAGEMENT organized in Cluj-Napoca, 2014, 2016, 2018
2. 2nd International Conference on Design, Simulation, Manufacturing: The Innovation Exchange, DSMIE-2019, June 11-14, 2019, Lutsk, Ukraine
<http://dsmie.sumdu.edu.ua/home/archive/dsmie-2019.html>
3. Grabchenko's International Conference on Advanced Manufacturing Processes (InterPartner-2019) September 10-13, 2019 | Odessa, Ukraine,
<http://interpartner.odessa.ua/program.html>
4. INTERNATIONAL CONFERENCE INNOVATION IN ENGINEERING school of Engineering - University of Minho Campus de Azurém 4800-058 Guimarães – PORTUGAL, July 08-10, 2020
https://icieng.eu/committees/?fbclid=IwAR33vUtrEI_wwQdBgao4uqpnB3W6ioAOLj9r4HplgH0wOW6LFISysx7eqO4

Reviewer:

1. MANUFACTURING 2019, Poznan University of Technology,
<https://www.springer.com/us/book/9783030187149?fbclid=IwAR3evo9JaLuzSX34XDs2MyLXKDjVVRSOmJ68aF9Kt8KbSkEzY9-UcbO9Naw>
2. (InterPartner-2019) Grabchenko's International Conference on Advanced Manufacturing Processes (InterPartner-2019) September 10-13, 2019 | Odessa, Ukraine <http://interpartner.odessa.ua/program.html>
3. 2nd International Conference on Design, Simulation, Manufacturing: The Innovation Exchange, DSMIE-2019, June 11-14, 2019, Lutsk, Ukraine
<http://dsmie.sumdu.edu.ua/home/archive/dsmie-2019.html>
4. Archives of Mechanical Technology and Materials
5. ISI quoted journals: Elsevier Composites part B
6. journal Sage Open

Invited researcher – Researches regarding the processing of Carbon Fibre Reinforced Composites, Universitaet Stuttgart, Institut fur Werkzeugmaschinen, Stuttgart, Germany (9 months); □

Member of IATDI International Association for Technological Development and Innovation



Books

1. Specificatii Geometrice ale Produselor, Liviu Adrian Crișan, Numan Durakbasa, Mihai Tripa, Grigore Marian Pop, editura U.T. PRESS, <http://www.utcluj.ro/editura/>; ISBN 978-606-737-399-8, 2019
2. PRELUCRAREA MATERIALELOR COMPOZITE ARMATE CU FIBRE DE CARBON, Grigore Marian Pop, Marcel Sabin Popa ditura U.T. PRESS, <http://www.utcluj.ro/editura/>; ISBN 978-606-737-401-8, 2019
3. Grigore Marian Pop, Liviu Adrian Crișan, Mihai Tripa, "Control Dimensional, îndrumător pentru lucrări de laborator", in limba germană, DIMENSIONSKONTROLLE ,editura U.T. PRESS, <http://www.utcluj.ro/editura/>; ISBN 978-606-737-397-4, 2019
4. Grigore Marian Pop, Liviu Adrian Crișan, Mihai Tripa, "Toleranzen und Passungen_ISBN 978-606-737-398-1", editura U.T. PRESS, <http://www.utcluj.ro/editura/>; ISBN 978-606-737-398-1 2019.
5. Domnita F., Ancuta P., Glad C., Grigore M. P., Adrian R., Razvan P., Nicolae P. **Tehnologii De Fabricație**, editura U.T. PRESS, ISBN 978-973-662-626-5, <http://www.utcluj.ro/editura/>; 2011
6. Liviu Adrian Crișan, Mihai Tripa, Grigore Marian Pop "**Control Dimensional, îndrumător pentru lucrări de laborator**", editura U.T. PRESS, ISBN 978-606-737-027-0,, <http://www.utcluj.ro/editura/>; 2014
7. Liviu Adrian Crișan, Mihai Tripa, Grigore Marian Pop "**Toleranțe și Ajustaje**", editura U.T. PRESS, ISBN 978-606-737-325-7,, <http://www.utcluj.ro/editura/>; 2018
8. The Effectiveness of ICT Tools for Engineering Education: ISO Checker Grigore Marian Pop, Liviu Adrian Crisan, Mihai Tripa Part of the Lecture Notes in Mechanical Engineering book series (LNME), Pages 270-279, Editors , Vitalii IvanovJustyna TrojanowskaJose MachadoOleksandr LiaposhchenkoJozef Zajaclvan PavlenkoMilan EdIDragan Perakovic Springer, ChameBook Packages Engineering Print ISBN 978-3-030-22364-9 Online ISBN 978-3-030-22365-6 Series Print ISSN 2195-4356 Series Online ISSN 2195-4364
9. On the Association of Datums and Measurements Using Conventional Measuring Devices - Topics Within the GPS Toolbox Project, Pages 209-216 ,Pop, Grigore Marian , Liviu Adrian Crisan, Mihai Tripa, Calin Neamtu, Mihai Dragomir, Lecture Notes in Mechanical Engineering, <https://www.springer.com/gp/book/9783030181765>, eBook ISBN 978-3-030-18177-2 DOI 10.1007/978-3-030-18177-2 Softcover ISBN 978-3-030-18176-5 Series ISSN 2195-4356"
10. Creative, Quality Oriented Rethinking of the Assessment Strategy at the University Level Courses. A Case Study Alina Narcisa Crisan, Grigore Marian Pop Pages 33-42, Part of the Lecture Notes in Mechanical Engineering book series (LNME), Pages 270-279, DSMIE 2019, Editors , Vitalii IvanovJustyna TrojanowskaJose MachadoOleksandr LiaposhchenkoJozef Zajaclvan PavlenkoMilan EdIDragan Perakovic Springer, ChameBook Packages Engineering Print ISBN 978-3-030-22364-9 Online ISBN 978-3-030-22365-6 Series Print ISSN 2195-4356 Series Online ISSN 2195-4364 <https://link.springer.com/book/10.1007/978-3-030-22365-6#toc>

Software developer

ISO CHECKER Android Application (available on google play)

Patents

GRIGORE M P, STEOPAN M, DEVICE FOR FASTENING WOODEN BOARDS, CHIPBOARDS OR PLASTIC BOARDS USING DEFORMABLE JACKET WITH BORDERS, FOR MODULAR RECONFIGURABLE FURNITURE, PN RO131142-A2UT DIIDW:201632057A

POP G M, STEOPAN M, DEVICE FOR FASTENING WOODEN BOARDS, CHIPBOARDS OR GLASS PANES, WITH SCREW, NUT AND DEFORMABLE JACKET, FOR MODULAR RECONFIGURABLE FURNITURE PN RO131143-A2 UT DIIDW:2016320579

Publications: 35 papers in ISI/BDI; 7 books. c) Science metrics indicators: Hirsch index: 2 (Web of Science), 2 (Scopus), 3 (Google Scholar). Citations: 7 (according to scopus.com), 5 (according to Web of Science), 25 (according to Google Scholar, profile Pop Grigore Marian). List of international publications:
<https://scholar.google.ro/citations?user=buDeX1AAAAAJ&hl=en>



- 1 ISOHECKER, AN ANDROID APPLICATION FOR FIT CALCULATION ACCORDING TO THE LATEST ISO GPS STANDARDS By: Pop, Grigore Marian; Crisan, Liviu Adrian; Tripa, Mihai; et al. ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING Volume: 61 Issue: 4 Pages: 781-786 Published: NOV 2018, WOS:000453442200033
- 2 EVALUATION OF ENVIRONMENTALLY FRIENDLY LUBRICANTS UNDER DIFFERENT WORKPIECE SURFACE ROUGHNESS, A Bucur, G ACHIMAS, L LĂZĂRESCU, GM Pop - ACTA TECHNICA NAPOCENSIS-Series: APPLIED ..., 2018
- 3 EVALUATION OF BIODEGRADABLE LUBRICANTS BY FORWARD CONICAL CUP--BACKWARD STRAIGHT CUP EXTRUSION TEST., A BUCUR, G ACHIMAS, L LĂZĂRESCU, A TRIF... - Academic Journal of Manufacturing Engineering, 2017
- 4 Fuzzy Analytical Hierarchy Process Applied to Determine the Material Machinability in EDM Process, G CONȚIU, MS Popa, L Socaciu, POP Grigore - ACTA TECHNICA NAPOCENSIS-Series: APPLIED ..., 2015
- 5 APPROACH OF DIRECT MILLING TOOLPATH GENERATION METHOD FOR DIFFERENT CUTTER GEOMETRIES, F Popișter, D Popescu, M Steopan, GM Pop 2016
- 6 MATHEMATICAL MODELING OF ROUGHNESS PARAMETER RA WHEN MILLING CARBON FIBRE REINFORCED COMPOSITES USING A Ø8MM MIL, GM Pop, LA Crișan, M Steopan, F Popișter - 2016
- 7 NEW TECHNOLOGIES AND APPLICATIONS OF EDM PROCESS POPA, M.S., CONTIU, G., POP, G., PREJA, D. INTERNA TIONAL JOURNAL OF MATERIAL FORMING ISSN 1960-6206.
http://apps.webofknowledge.com/full_record.do?page=1&qid=1&log_event=yes&viewType=fullRecord&SID=Y2khjxZ86SJt8fjMkSX&product=WOS&doc=1&search_mode=GeneralSearch&excludeEventConfig=ExcludelfFromFullRecPage
- 8 SURFACE QUALITY OF THE EDM PROCESSED MATERIALS, POPA, MARCEL SABIN; CONTIU, GLAD; POP, GRIGORE, FUNDAMENTAL AND APPLIED METROLOGY, PROCEEDINGS ISBN 978-963-88410-0
http://apps.webofknowledge.com/full_record.do?page=1&qid=6&log_event=yes&viewType=fullRecord&SID=Y2khjxZ86SJt8fjMkSX&product=WOS&doc=1&search_mode=GeneralSearch&excludeEventConfig=ExcludelfFromFullRecPage
- 9 ELECTRIC DISCHARGE MACHINING PROCESS CONTROL POPA, M.S., CONTIU, G., PREJA, D. POP, G.M., TIRLA, A, Annals of DAAAM and Proceedings, ISSN 1726-9679.
http://apps.webofknowledge.com/full_record.do?page=1&qid=8&log_event=yes&viewType=fullRecord&SID=Y2khjxZ86SJt8fjMkSX&product=WOS&doc=2&search_mode=GeneralSearch&excludeEventConfig=ExcludelfFromFullRecPage
- 10 RESEARCHES REGARDING THE THERMAL BEHAVIOUR OF A CNC MILLING MACHINE USING IR THERMOGRAPHY IN COMPEARANCE WITH OTHER CONVENTIONAL METHODS POP, G.M., TIRLA, A., CONTIU, G., CHETREANU-DON, C.O., OLTEAN, A.I., KOUKACH, D 21st DAAAM International Symposium Intelligent Manufacturing & Automation: Interdisciplinary Solutions, ISSN 1726-9679
http://scholar.google.ro/scholar?q=RESEARCHES+REGARDING+THE+THERMAL+BEHAVIOUR+OF+A+CNC+MILLING+MACHINE+USING+IR+THERMOGRAPHY+IN+COMPEARANCE+WITH+OTHER+CONVENTIONAL+METHODS&btnG=&hl=en&as_sdt=0%2C5
- 11 SOME APPLICATIONS OF THERMOGRAPHY AND LASER MEASUREMENTS FOR DAMAGE PREDICTION AND DIAGNOSTICS OF A CNC MACHINE POP, G.M., POPA, M.S., TIRLA, A., CONTIU, G., CHETREANU-DON, C.O MAINTENANCE 2010 ISSN 198 6-583X
http://scholar.google.ro/scholar?q=SOME+APPLICATIONS+OF+THERMOGRAPHY+AND+LASER+MEASUREMENTS+FOR+DAMAGE+PREDICTION+AND+DIAGNOSTICS+OF+A+CNC+MACHINE&btnG=&hl=en&as_sdt=0%2C5
<http://www.odrzavanje.unze.ba/zbornici/2010/015-O10-008.pdf>
- 12 AN ELECTRODE WEAR COMPENSATION MODEL REGARDING THE EDM PROCESS, TIRLA, A., POPA, M.S., POP, G.M., CHETREANU-DON, C.O., OLTEAN, A.I., PREJA, D. 21st DAAAM International Symposium Intelligent Manufacturing & Automation: Interdisciplinary Solutions, ISSN 1726-9679
http://scholar.google.ro/scholar?q=AN+ELECTRODE+WEAR+COMPENSATION+MODEL+REGARDING+THE+EDM+PROCESS&btnG=&hl=en&as_sdt=0%2C5&as_ylo=2009&as_yhi=2010
<http://www.freepatentsonline.com/article/Annals-DAAAM-Proceedings/246013964.html>
- 13 MEASUREMENTS REGARDING SOME LASER BEAM PARAMETERS DURING LASER CUTTING CHETREANU-DON, C.O., POPA, M.S., TIRLA, A., POP, G.M., OLTEAN, A.I., CONTIU, G 21st DAAAM International Symposium Intelligent Manufacturing & Automation: Interdisciplinary Solutions, ISSN 1726-9679
http://scholar.google.ro/scholar?q=MEASUREMENTS+REGARDING+SOME+LASER+BEAM+PARAMETERS+DURING+LASER+CUTTING+Chetreanu&btnG=&hl=en&as_sdt=0%2C5&as_ylo=2009&as_yhi=2010
- 14 REDESIGN OF THE LIVE AXLE IN ARTICULATED FORESTRY TRACTORS OLTEAN, A.I., POP, G.M., TIRLA, A., CONTIU, G., CHETREANU-DON, C.O. 21st DAAAM International Symposium Intelligent Manufacturing & Automation: Interdisciplinary Solutions, ISSN 1726-9679
http://scholar.google.ro/scholar?q=REDESIGN+OF+THE+LIVE+AXLE+IN+ARTICULATE+D+FORESTRY+TRACTORS+Oltean&btnG=&hl=en&as_sdt=0%2C5&as_ylo=2009&as_yhi=2010
<http://www.freepatentsonline.com/article/Annals-DAAAM-Proceedings/246014100.html>
- 15 THE INFLUENCE OF PROCESS TEMPERATURE ON GEOMETRICAL DEVIATIONS AT THE DRILLING OF CARBON FIBER REINFORCED COMPOSITES CRIȘAN, LIVIU, POP, GRIGORE MARIAN AND NEAMȚU CĂLIN Quality and Innovation in Engineering and Management, Quality-Access to Success, ISSN: 15822559
http://scholar.google.ro/scholar?q=THE+INFLUENCE+OF+PROCESS+TEMPERATURE+ON+GEOMETRICAL+DEVIATIONS+AT+THE+DRILLING+OF+CARBON+FIBER+REINFORCED+COMPOSITES&btnG=&hl=en&as_sdt=0%2C5
http://www.srac.ro/calitatea/en/arhiva/supliment/Q-as_Vol.13_S5_November-2012_Contents.pdf
- 16 SOME APPLICATIONS OF THERMOGRAPHY AS NON-DESTRUCTIVE EVALUATION OF THE PRODUCTION PROCESS POPA, M.S., POP, G.M., TIRLA, A., CONTIU, G., TMT 2009, ISSN 1840-4944
<http://scholar.google.ro/scholar?hl=en&n=SOME+APPLICATIONS+OF+THERMOGRAPHY>