

## **Information form of member of the Editorial Board**

- 1. Scientific degree (Prof./Dr.) or other (inter)national degrees.**  
Professor Dr.
- 2. Full name as you use in publications (first name and second name divided by comma).**  
Dumitru, Nedelcu
- 3. Affiliation (Univ./Inst./Dep.) where you hold a full time position (or the last place before retirement).**  
“Gheorghe Asachi” Technical University of Iasi, Department of Machine Manufacturing Technology, Romania
- 4. Full address of affiliation with P.O., street, city, country.**  
Blvd. Mangeron No. 59A, 700050, Iasi, Romania
- 5. Work e-mail(s), phone number with local codes.**  
dnedelcu@tcm.tuiasi.ro  
0040 232 278680 / 2316
- 6. Personal webpage on website of your affiliation (if applicable).**  
My personal webpage: [www.dumitrunedelcu.ro](http://www.dumitrunedelcu.ro)  
Faculty webpage: <http://www.cm.tuiasi.ro/departamente/tcm/personal/>
- 7. Personal webpages in ResearchGate/ Scholar Google/ Scopus/ ResearcherID (if applicable).**

### **Additionally:**

- 8. Brief autobiography or CV (1 page, stating all previous affiliations).**

The full CV is available on [www.dumitrunedelcu.ro](http://www.dumitrunedelcu.ro)

### **Occupation field:**

1993-Nowadays: assistant, lecturer, associate professor and professor, “Gheorghe Asachi” Technical University of Iasi, Department of Machine Manufacturing Technology, Romania.  
Professor, Ph.D. Supervisor, Manager of Precision Mechanics and Nanotechnologies Laboratory – ISO Certification 9001/2008.

Main courses: Fine Mechanic and Nanotechnologies; Management of Industrial Manufacturing Projects; Technologies for Obtaining and Processing of Composite Materials; Special Plastic Deformation Technologies.

### **Education and training:**

Dates 1987-1992: Mechanical engineer, “Gheorghe Asachi” Technical University of Iasi, Romania

Dates 1992-1998: Economist, “Al.I.Cuza” University of Iasi, Romania

Dates 1994-1998: Ph.D., “Gheorghe Asachi” Technical University of Iasi, Romania

Dates 1996, 1999: Tempus and Romanian Government Scholarship, Escuela Tecnica Superior de Ingenieros Industriales, Universidad Politecnica de Madrid, c/Jose Gutierrez Abascal, 2, 28006 Madrid, Spain.

### **Visiting Professor/Guest Professor:**

-Graduate School of Bio-Applications and Systems Engineering, Tokyo University of Agriculture & Technology, Institute of Engineering, Tokyo, Japan, August-September 2012;

-Joining and Welding Research Institute, Osaka University, Osaka, Japan, July, 2015;

**Plenary Session (PS)/Keynote Speaker(KS)/Invited Speaker(IS):** AMPT2015, December 13-17, Madrid, Spain; ICCCI2015, July 7-10, 2015, Kurashiki, Japan; MSE2015, June 3-6, Sibiu, Romania; SATEE2014, 16-18 October, Alba Iulia, Romania; ACAIII, September 29-October 1, 2014, Belgrade, Serbia; PCM2014, May 27-29, Ningbo, China; Machine-Building and Technosphere of the XXI Century, September 16-21, 2013, Sevastopol, Ukraine; OPROTEH2013 International Conference, 23-25 May, 2013, Bacau-Romania; European Project FSD-76/RMT-0/2010, 23-25.10.2012, Silesian University of Technology, Gliwice, Poland; Selected Engineering Problems International Seminar, Politechnika Slaska, October 25-26, 2012, Gliwice-Poland; ICCCI

2012 International Conference, 2-5 September, Kurashiki-Japan; Selected Engineering Problems International Seminar, Politechnika Slaska, April 27-28, 2011, Gliwice-Poland.

**Senate Member:** „Gheorghe Asachi” Technical University of Iasi, Romania, July 2012-at present;

**2004-2008:** Senate Guest Member of the “Gheorghe Asachi” Technical University of Iasi;

**2007-2008:** **Member** of Academic Council of „Gheorghe Asachi” Technical University of Iasi, Romania;

**2004-2008:** Director of Program Department and coordinator of Project Management Master with certification by PMI-Romania, PMI – USA Branch, „Gheorghe Asachi” Technical University of Iasi, Romania;

**Manager:** Collaboration Centre between TMF-NT Laboratory and OMCO Romania, Iasi branch;

**Member of Romanian National Councils:**

-National Council for Titles, Diplomas and University Certificates –Management and Industrial Engineering Commission, April 2011- September 2012;

-National Council of Scientific Research in Romanian Higher Education for Evaluation of Ongoing Projects and those suspended from financing, November 2010;

**Member of Professional Associations:** American Association for Science and Technology (AASCIT); Serbian Ceramic Society – Composite Materials Section; Romanian Association of Science Mechanisms and Machines, IFToMM (International Federation for the Promotion of Mechanism and Machine Science) Member; AUIF Romania; Project Management Romania-Branch of Project Management International, USA; International Union of Machine Building-Ukraine.

**President:** Professional Association in Modern Manufacturing Technologies, ModTech Iasi-Romania; ModTech International Conferences.

**Project Manager:** 10 National and European research projects and member in 11 National and European research projects (Tempus, Leonardo da Vinci, CNCIS, Relansin, FP6, FP7, CEEEX, PNII).

**Expert evaluator:** CNCSIS; CEEEX, INTAS (European Union Programme).

**Awards:** 15 national and international awards.

**Scientific Referent:** 18 Ph.D. Thesis.

**Editor/Guest Editor:**

- **Guest Editor**, International Journal of Materials & Product Technology (IJMPT), ISSN 0268-1900, Special Issue: Modern Technologies as Future Solutions for Performance Products);

- **Guest Editor**, International Journal of Materials & Product Technology (IJMPT), ISSN 0268-1900, Special Issue: Evolution of Modern Manufacturing Processes, Technologies and Materials;

- **Guest Editor**, Indian Journal of Engineering & Materials Sciences (IJEMS), ISSN 0971-4588; Special Issue on *Evolution of Engineering, Technologies and Materials*;

- **Editor**, “Advanced Materials Research-AMR” Vol. 837, 1036, Published by Trans Tech Publications Inc.

- **Editor in Chief**, International Journal of Modern Manufacturing Technologies;

- **Editor in Chief**, Advanced Engineering Forum, Trans Tech Publications Inc., Switzerland;

- **Editor**, Proceedings of the 13, 14, 15, 16 International Conferences ModTech-New Face of TMCR, Modern Technologies, Quality and Innovation;

**Member of Journal Editorial Boards:** Indian Journal of Engineering & Materials Sciences (IJEMS); Journal of Applied Sciences in Environmental Sanitation, Sepuluh Nopember Institute of Technology (ITS), Surabaya, Indonesia; Journal of Applied Technologies in Environmental Sanitation, Sepuluh Nopember Institute of Technology (ITS), Surabaya, Indonesia; Journal of Physics and Technics, Alecu Russo State University of Balti, Republic of Moldova.

**Member of Scientific Boards - Journals and Conferences:** AMPT, Madrid-Spain; PCM, Beijing-China; ACME, Iasi-Romania; Machine-Building and Technosphere of the XXI Century, Sevastopol-Ukraine; ModTech-New Face of TMCR, Iasi-Chisinau-Belgrade; NewTech, Galati-Brno; Satee, Alba Iulia-Romania; Tehnomus, Suceava-Romania; MecaHitech, Bucharest-Romania; MSE, Sibiu-Romania; Selected Engineering Problems, Gliwice- Poland; ICCCI,

Kurashiki, Japan; ModTech, Romania; POLCOM, Bucharest-Romania; PPE, Galati-Romania; Light, Balti-Republic of Moldova; OPROTEH, Bacau-Romania, ACA-Belgrade-Serbia.

## 9. List of most important your papers or books (up to 10).

1. Radu Comănesci, Luchian Zaharia, **Dumitru Nedelcu** (2015), *Combining circular-to-rectangular direct extrusion and equal channel angular pressing: analysis and simulation*, Indian Journal of Engineering & Materials Sciences, 22(5), 527-533.
2. Viorel Paunoiu, Mamane Abdou Saadatou, **Dumitru Nedelcu**, (2015), Mircea Octavian, *Experimental and numerical investigations of sheet metal circular bending*, Indian Journal of Engineering & Materials Sciences, 22(5), 487-496.
3. **Dumitru Nedelcu**, Simona Plavanescu (Mazurchevici), Viorel Paunoiu (2015), *Study of Microstructure and Mechanical Properties of Injection Molded Arboform Parts*, Indian Journal of Engineering & Materials Sciences, 22(5), 534-540.
4. **Dumitru Nedelcu**, Radu Comaneci, (2014), *Microstructure, Mechanical Properties and Technology of Samples obtained by Injection from Arboblend*, Special Issue on *Evolution of Engineering, Technologies and Materials*, Indian Journal of Engineering & Materials Sciences, 21, 272-276.
5. Teodor Daniel Mîndru, **Dumitru Nedelcu**, (2014), *Consideration concerning the microindentation and differential scanning calorimetry of reinforced polyamide*, Special Issue on *Evolution of Engineering, Technologies and Materials*, Indian Journal of Engineering & Materials Sciences, 21, 333-340.
6. **Dumitru Nedelcu**, Ciprian Ciofu, Nicoleta Monica Lohan, (2013), *Microindentation and Differential Scanning Calorimetry of "Liquid Wood"*, Composites Part B: Engineering, doi: 10.1016/j.compositesb.2013.05.024 , vol. 55, pp. 11-15.
7. **Dumitru Nedelcu**, (2013), *Investigation on microstructure and mechanical properties of samples obtained by injection from Arbofill*, Composites Part B: Engineering, Volume 47, pp. 126–129, doi: 10.1016/j.compositesb.2012.11.023.
8. **Dumitru Nedelcu**, Ioan Carcea, (2013), *Technology for Obtaining Samples of Layered Composite Material with Metallic Matrix*, Metals and Materials International, 19(1), pp. 105~112, doi: 10.1007/s12540-013-1017-2.
9. Ioan Carcea, **Dumitru Nedelcu**, (2012), *Technology for obtaining composite material with metallic matrix and Si-C particles*, Materials and Manufacturing Processes, Vol. 27, Issue 6, ISSN 1042-6914, pp. 694-701, published by: Taylor & Francis, DOI: 10.1080/10426914.2011.602786.
10. **Dumitru Nedelcu**, I. Carcea, L. Tabacaru, C. Ciofu, (2011), *Some aspects of processing and properties of composite material with Si-C particles*, Acta Physica Polonica A, 120 (2), ISSN 0587-4246, pp. 344-348.
11. **Dumitru Nedelcu**, Daniel Mindru, Catalin Fetecau, Viorel Cohal, Gheorghe Cretu, (2010), *Some aspects regarding the simulation of two-component injection process*, Materiale Plastice, 47(2), ISSN 0025-5289, pp. 225-230.
12. **Dumitru Nedelcu**, Fetecau Catalin, Ciofu Ciprian, Mindru Daniel, (2009), *Aspects regarding the use of FEM for calculus performing at the injection moulding of a high accuracy part*, Materiale Plastice, 46(3), pp. 269-273, ISSN 0025-5289.

## Books

1. Teodor Daniel Mindru, **Dumitru Nedelcu**, *Injectarea pieselor ranforsate din materiale plastice (Injection of Reinforced Plastic Parts)*, ModTech Publishing House, Iasi, 2014, ISBN 978-606-92474-6-4.
2. Octavian Lupescu, Ionut Ciprian Popa, Ramona Popa, **Dumitru Nedelcu**, *Metode, instrumente si strategii de mentenanta (Methods, tools and maintenance strategies)*, ModTech Publishing House, Iasi 2011, ISBN 978-606-92474-3-3.

3. **Dumitru Nedelcu**, Ioan Carcea, Gigel Neagu, Lucian Tabacaru, Cristian Predescu, Remus Zagan *Tehnologii de obtinere a materialelor compozite (Technologies for obtaining of composite materials)*, Politehniun Publishing House, Iasi, 2009, ISBN 978-973-621-288-8.
4. **Nedelcu, D.**, *Managementul economico-financiar (Economic and Financial Management)*, Politehniun Publishing House, Iași, 2007, ISBN 978-973-621-170-6.
5. **Nedelcu, D.**, Cobzaru, P., *Tehnologii de mecanică fină (Fine Mechanics Technologies)*, Junimea Publishing House, Iași, 2005, ISBN 973-37-1026-1.
6. **Nedelcu, D.**, Pruteanu, O.V., *Managementul proiectelor (Projects Management)*, Politehniun Publishing House, Iași, 2005, ISBN 973-621-123-1.
7. **Nedelcu, D.**, *Tehnologii de mecanică fină (Fine Mechanics Technologies)*, Tehnica-Info Publishing House, Chișinău 2001, ISBN 9975-63-091-X.
8. **Nedelcu, D.**, Ciofu, C., *Tehnologii de mecanică fină (Fine Mechanics Technologies)*, laboratory guidelines, second part, Politehniun Publishing House, Iași, 2007, ISBN 978-973-621-169-0.
9. **Nedelcu, D.**, Muscă, G., Badea, C., Muse, E., Pugin, J., Nalooop, R., Cărăușu, C., Merticaru, V., *Ghid practic pentru formatori-cursanți (A Practical Guide for Trainers, Trainees)*, Junimea Publishing House, Iași, 2003, ISBN 973-37-0908-5.
10. **Nedelcu, D.**, Pruteanu, O.V., *Aspecte ale formării canelurilor exterioare prin deformare plastică la rece utilizând metoda Taguchi (Some Aspects of Forming Exterior Grooves by Cold Plastic Deformation using Taguchi Method)*, Tehnica-Info Publishing House, Chișinău, 2000, ISBN 9975-910-96-3.

#### **Chapters in Books**

**Dumitru Nedelcu**, Petru Cobzaru, Lucian Tabacaru, (2006), *Quality increasing and manufacturing cost reducing of shaft grooves obtained by cold plastic deformation using Taguchi method*, Advanced Technologies, Research-Development-Application, Published by the pIV pro literature Verlag Robert Mayer-Scholz, Mammendorf-Germany, pp. 691-699, ISBN 3-86611-197-5.

#### **10. Keywords from your area or research interests (up to 5).**

Fine mechanics, composite materials, technologies, processing, manufacturing

#### **11. Personal full face image (with resolution to show photo scaled to 3:4, e.g. 90x120 px)**

