



**Europass
Curriculum Vitae**



Personal information

First name(s) / Surname(s) **NICOLAE DANUT ILEA**

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Nationality Romanian

Date of birth 1952/04/29

Gender Male

**Employment / Occupational
field**

"Transilvania" University of Brasov, Dept. Of Electrical Engineering & Applied Physics
Research- Dept. of Advanced Electrical Systems – D 07

Work experience

Dates 1980 - present

Occupation or position held Professor

Main activities and responsibilities Teaching: Power Electronic Systems, Electromechanical Converters & Drives,
Management, Energy Efficiency, Modelling of Electrical Systems

EUROPASS CV PROF. DR.-ING. NICOLAE DANUT ILEA

| | |
|--------------------------------------|--|
| Name and address of employer | Research: Power Electronic Systems, Electric Machines & Drives Energy Efficiency, Renewable Systems |
| Type of business or sector | "Transilvania " University of Brasov, Faculty of Electrical Engineering & Computer Science, Dept. of Electrical Eng. & Applied Physics Higher Education System |
| | 2008 - 2012 – Associate Dean, faculty of Electrical Engineering & Computer Science 2012 – Interim, Head of Department of Electrical Eng.& Computer Science |
| Dates | 1976 – 1977 |
| Occupation or position held | Design & Development Engineer |
| Main activities and responsibilities | Electrical Systems - Engineer for the automatization of production in the section of Corrugated Cardboard Production; Technical projects designing in the fields of electrical drives and control devices of techno-logical processes for paper industry equipments; Foreign Trade Department: activities of trading, investments and sales. |
| Name and address of employer | Paper Processing Enterprise - Ghimbav, Brasov |
| Type of business or sector | Industry |
| Dates | 1977 – 1980 |
| Occupation or position held | Design / Research Engineer at the Department of Projects and Aircraft Electric Equipments. |
| Main activities and responsibilities | Assimilation of technical equipments in cooperation and under the license of Societe Nationale Internationale Aerospatale de France, Marignane - France and British Aircraft Corporation - United Kingdom, 1977 - 1979. Principal designer and / or contributor of 14 aircraft novel equipments and machine tools practical realized projects |
| Name and address of employer | Aeronautics Design Enterprise - Ghimbav, Brasov |
| Type of business or sector | Aircraft Industry Manufacturing |

Education and training 1998

Ph D in Electrical Engineering
"Special Contributions Concerning the Digital Control of Electrical Drives"
 "Polytechnic" University of Bucharest, RO - Dept.of Electrical Engineering &
 "Transilvania" University of Brasov, RO - Dept. of Electrotechnics, Academic
 Joining

Doctoral studies

1993

The International Recognition Of Diploma of Engineer
 in the specialization, Electrotechnics no. 2884/June 28th 1976, in the EC countries. In
 accordance with U.O.S. Ordinamenti Didattici, D.R. n. 1317/int.92 Equipollenza titolo di
 studio, Politecnico di Torino - Italy.

Personal skills and
 Competences

1976

Engineer Diploma
 Electromechanical Engineer

"Transilvania" University of Brasov, 29, Bd. Eroilor, 500036, Brasov, Romania

Higher Education

Communications skills, team building operation skills, academic leadership skills

Mother tongue(s) Romanian

Other language(s) English, French, Italian, Spanish

Self-assessment

| European level (*) | Understanding | | Speaking | | Writing | |
|--------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| | Listening | Reading | Spoken interaction | Spoken production | | |
| English | B1 Independent user | B1 Independent user | B1 Independent user | B1 Independent user | B1 Independent user | B1 Independent user |
| French | B1 independent user | B1 Independent user | B1 Independent user | B1 Independent user | B1 Independent user | B1 Independent user |

European level (*)

(*) *Common European Framework of Reference for Languages*

Social skills and competences

Good experience of working in teams
 Organizational management skills
 Academic entrepreneurial skills

Organisational skills and
 competences

1977-1980 Foreign Trade Department -Aeronautics Design Enterprise - Ghimbav, Brasov
 1990-1996 Head Assistant-Department of Electrotechnics, "Transilvania" University of
 Brasov, Romania
 2008-2012 Associate Dean, Faculty of Electrical Engineering & Computer Science,
 "Transilvania" University of Brasov, Romania

Technical skills and competences

MS Office

EUROPASS CV PROF. DR.-ING. NICOLAE DANUT ILEA

Computer skills and competences Computing Platforms: PC (MS-DOS, Windows 3.1, Windows' 95 Windows Millennium, Windows XP), Apollo-Domain, Internet Technology.
Programming languages: Foxbase+, Foxpro, QBASIC, FORTRAN, C++.

Other skills and competences Project Manager Design Skills
1990 - 2011
Coordinator, responsible and partnership in 17 international projects on behalf of "Transilvania" University of Brasov, Romania
1977-2011
Author of about 53 internal projects within aircraft design and electrical engineering design and development

Driving licence Driving licence B category

Additional information IEEE Member, Power & Energy Society
Member of Zero Building Consortium – USA, 2010

Annexes Director of Studies
January - May, 1993
Nottingham "Trent" University , U.K. - Department of Electrical and Electronic Engineering
Field of activity: Power Electronics & Electrical Drives Control.
Head of Department: Eur.Ing.Professor, Peter G. Holmes.
University of Sheffield , UK - Head of Depts.: Prof.Dr. Terry Birch, Prof. Dr. R.Kennedy
Dept. of Electronic & Electrical Engineering
University of Plymouth, UK - Dept. of Communication & Electrical Engineering.
Field of activity: Digital Control in Power Electronics.
January - June, 1994
Politecnico di Torino - Italy, Dipartimento di Ingegneria Elettrica Industriale.
Field of activity: Power Electronics and Drives.
Head of Department: Professor Dr. Paolo Ferraris.
Universidad Carlos III Madrid, Spain - Dept. of Electronics & Circuits.
Field of activity: Power Electronic Control & ASIC Circuits Design.
Head of Dept: Prof. Javier Sanz.
Technische Universitat Ilmenau- Germany, 2000, IT in Electrotechnics & Power Engineering
Anglia Ruskin University, Cambridge, England, Erasmus Programme, Power Electronics, 2007

Post Doctoral Research
"Brunel" University - London, UK - Dept. of Computing & Electronics.
Degree: Doctor of Philosophy - pH D.
Date of Starting: September 1996.
Method of study: Part-time.
Registration Number: 196517580; Hesa number: 9611131050957.
Supervisor: Dr. M. Munroe.
Dissertation: " A Novel Digital Control Strategy for PWM Inverters"

1976-1980, Cadru didactic asociat - Universitatea din Brasov
1980-1982, Profesor cumularad Liceul Industrial nr. 1- Codlea, Brasov
Ianuare - Mai, 1993, Nottingham "Trent" University , U.K., - Department of Electrical and Electronic Engineering - Director de studii , domeniul Power Electronics;
University of Sheffield , UK - Dept. of Electronic & Electrical Engineering.
University of Plymouth, UK - Dept. of Communication & Electrical Engineering.
January - June, 1994, Politecnico di Torino - Italy, Dipartimento di Ingegneria Elettrica Industriale
Domeniu: Power Electronics and Drives.
Mai, 1997 Universidad Carlos III Madrid, Spain - Dept. of Electronics & Circuits.

Iunie, 2000 Technische Universitat Ilmenau- Germany, 2000, IT in Electrotechnics.
1996-1997-1998 Buckinghamshire College London. Uxbridge-Brunel University London, Anglia -

Specializar:

Iunie, 2000 Technische Universitat Ilmenau- Germany, 2000, IT in Electrotechnics.
1996-1997-1998 Buckinghamshire College London, Uxbridge-Brunel University London, Anglia -
activitate doctorala: Digital Control in Power Engineering.
2003 – Universidad de Vigo, Spania. Universita degli Studi di Padova, Italia: IT in Entrepreneurial
Business.
2004 - Universidad de Valladolid. Spania, Scoala Antreprenoriala.
2005 – University of Cyprus, Dept. of Electrical and Computer Eng., - Universitatea Antreprenoriala,
Integrarea Dezvoltarii Antreprenoriale in Ingineria Electrica.
2006 – Technische Universitat Darmstadt, INI Novation –Germany, Integrarea Antreprenoriala in
Electronica
2007 – Anglia Ruskin University, Cambridge, England, Program Erasmus, Power Electronics.
2007 – University of Malta – Dept. of European Integration, Valoarea Adaugata a unei Universitatii
Antreprenoriale in Europa.
2007 - Politecnico di Torino- Ingegneria Elettrica, Prof. Franco Profumo.
2008 - University of Cyprus, Business Consulting.

Manuale universitare - 11, Monografii –1, Articole publicate - 79.

The "Golden Star"Prize for European Management, Madrid, 1995.

Area of Competences:

Engineering Management: Information Technology for SME's, Energy
Management



Significant recent papers

Alin Tisan*, Marcian Cirstea**, Attila Buchman*, Alberto Parera**, Stefan Oniga*,
Danut Ilea***

*North University of Baia Mare, Romania, **Anglia Ruskin University, Cambridge, United Kingdom, *** Transilvania University of Brasov, ilea@unitbv.ro

"Holistic Modeling, Design and Optimal Digital Control of a Combined Renewable Power System"

ieeexplore.ieee.org/iel5/5609073/5635477/05636986.pdf?arnumber...

This paper appears in: Industrial Electronics (ISIE), 2010 IEEE International Symposium on Issue Date: 4-7 July 2010, on page(s): 2733 – 2738, Location: Bari.

Print ISBN: 978-1-4244-6390-9; INSPEC Accession Number: 11653358

Digital Object Identifier: 10.1109/ISIE.2010.5636986

Date of Current Version: 15 November 2010.

A. Parera-Ruiz*, M.N. Cirstea*, *Senior Member, IEEE*, **D.N. Ilea****

*Anglia Ruskin University, Cambridge, UK, **Transilvania University of Brasov, Romania,

"Rapid development of an FPGA Controller for a Wind/ Photovoltaic Power System"

Industrial Electronics, 2008. ISIE 2008. IEEE International Symposium on Publication Date:

June 30 2008-July 2 2008 On page(s): 2003-2008 Industrial Electronics, 2008. ISIE 2008.

IEEE International Symposium on Location: Cambridge, UK, ISBN: 978-1-4244-1665-3

Number of citations: 14.

Industrial Electronics, 2008. ISIE 2008. IEEE International Symposium on

Issue Date: June 30 2008-July 2 2008

On page(s): 2003 - 2008

Location: Cambridge

Print ISBN: 978-1-4244-1665-3

References Cited: 14

INSPEC Accession Number: 10396183

Digital Object Identifier: 10.1109/ISIE.2008.4677193

Date of Current Version: 18 November 2008

D. Stoia, M. Antonoaie, **D. Ilea**, M. Cernat,

"Design of Line Start Motors with High Power Factor",

presented at the International Conference on Power Engineering, Energy and Electrical Drives. POWERENG 2007, Setubal, Spain, 12-14 April 2007,

published in Proceedings of the International Conference on Power Engineering, Energy and Electrical Drives, POWERENG 2007, Setubal, Spain, 12-14 April 2007, published on CD-

Rom. IEEE Catalog

Number 07EX1654C, ISBN: 1-4244-0895-4, Library of Congress 2006939761, paper 186.

ieeexplore.ieee.org/iel5/4380079/4380080/04380150.pdf

References cited:5.

D. Stoia, **D. Ilea**, M. Cernat, Al.B. Dezsi, A.A. Jimoh,

"Stability of the Line-Start Permanent Magnet Synchronous Machine

Sensorless Drive", presented at the 8-th IEEE Africon Conference 2007,

Windhoek, Namibia,

26-28 September 2007, published on CD-Rom, IEEE Catalog,

Number 07CH37876C, ISBN: 1-4244-0987-X, paper 639, pages 735-738.

Proc. 81b IEEE Africon Conference, Windhoek, Namibia, and 26-28 Sept.2007

ieeexplore.ieee.org/iel5/5295237/5308064/05308177.pdf?arnumber...

Danut Ilea, Mihai Cernat, Dan Stoia, and Stylianos A. Papazis,

"Engineering-Based Entrepreneurship Education", presented at the 3rd International Conference on Interdisciplinary in Education ICIE 2007,

15-17, March 2007, Athens, Greece, published in Proceedings of the 3rd International Conference on Interdisciplinarity in Education ICIE 2007, March 15-17, 2007,

Athens, Greece, ISBN 978-960-89028-4-8, ISSN 1790-661X, pp. 415-425.

D. Ilea, M. Cernat, D. Stoia, F. Ioannidou,
"Entrepreneurial University – Adding Value To Entrepreneurship Education In
Electrical Engineering" presented at the 4th International Conference on Interdisciplinarity
in Education, ICIE'09, May 21-22 , 2009, Vilnius, Lithuania

Danut Ilea "Integrating Entrepreneurship Education into Electrical Engineering
Curriculum", e-paper, inserted and accepted at. ISEC- IEEE Conference, SSB 321,
Education track, March ,9, 2012, Webinar, IEEE, Integrated STEM Education
Conference, University of Virginia, USA., <http://ewh.ieee.org/conf/stem/>

Danut Ilea, "Entrepreneurship Education as Component of Electrical Engineering
Curriculum", presented at the . Ireland International Conference on Education (IICE
2012), 16 -18 April 2012, Dublin , Ireland, Curriculum, Research and Development
Track, International Journal of Technology and Inclusive Education,ISSN 20470533,
www.iicedu.org/



Brasov, 19. 11. 2012

A handwritten signature in black ink, appearing to be 'Danut Ilea', written in a cursive style.

A handwritten signature in blue ink, appearing to be 'Danut Ilea', written in a cursive style.