

## CURRICULUM VITAE



### 1) PERSONAL DATA

Prof. Dr. Eng. **DAN - MANIU DUȘE**  
City: **SIBIU, ROMANIA**  
Mobile Phone: 0040-744-667928

Date of birth: February 10<sup>th</sup>, 1951  
Family status: married, 2 children  
E-mail: dan-maniu.duse@ulbsibiu.ro

### 2) EDUCATION

Higher Education Institution graduated: **POLITEHNICA University of Bucharest, Mechanics School**  
Speciality: **mechanical engineer** Year of graduation: **1975**

Higher Education Institution graduated: **POLITEHNICA University of Timișoara (Polytechnic Institute “Traian Vuia” of Timișoara), Mechanics School**  
Scientific title: **doctor engineer (Ph.D.) in manufacturing science** Year of graduation: **1991**

**Eur Ing - Mechanical Engineering**, Brussels, 1999

**Doctoral (Ph.D.) advisor** in the speciality *Industrial Engineering*

**Post-university training (visiting professor):**

- In *manufacturing technologies, CAD/CAM*:  
- University of Stuttgart, University of Hannover, Germany, South Bank University of London, University of Nottingham, UK.
- In *education management*  
- University of Missouri - Columbia, USA, Fachhochschule Frankfurt am Main, Germany, University of Ferrara, Italy, University Carlos III of Madrid, Spain, University of Stuttgart, Germany, University of Helsinki, Finland.

### 3) WORKPLACE

Name of the institution: **University “Lucian Blaga” of Sibiu**  
Position: **Vice-Rector in charge of the management of the educational process**, since April 2000  
Address of the institution: **Victoriei Blvd., 10, 550024 Sibiu, Romania**  
Phone: 0269 / 211083 Fax.: 0269 / 210298 E-mail: [prodid@ulbsibiu.ro](mailto:prodid@ulbsibiu.ro)

### 4) PROFESSIONAL ACTIVITY

**Scientific titles:**

- **mechanical engineer**, Bucharest, 1975, diploma no. 206283;
- **doctor engineer (Ph.D.)**, Timișoara, 1991, diploma series I no. 788;
- **Eur Ing - Mechanical Engineering**, Brussels, 1999, diploma no. 24152/12.02.1999;
- **doctoral advisor** in the speciality *Industrial Engineering*

#### 4.1 Domains of competence:

**“MACHINE MANUFACTURING SCIENCE”**

- **Experience:**  
- Sept. 1<sup>st</sup>, 1975 - Nov. 15<sup>th</sup>, 1979, Compa S.A. Sibiu, design engineer (design of technologies and control devices);

- Nov. 15<sup>th</sup>, 1979 – Oct. 1<sup>st</sup>, 1986, University of Sibiu, university assistant for the disciplines: Device design, Manufacturing and Exploitation of Devices;
- Oct. 1<sup>st</sup>, 1986 – Feb. 28<sup>th</sup>, 1992, University of Sibiu, lecturer at the disciplines Machine Manufacturing Technology and Computer-Aided Design of Technologies;
- March 1<sup>st</sup>, 1992 – Feb. 28<sup>th</sup>, 1995, University of Sibiu, associate professor at the disciplines Machine Manufacturing Technology and Computer-Aided Design of Technologies;
- March 1<sup>st</sup>, 1992 - present, “Lucian Blaga” University of Sibiu, university professor at the disciplines Machine Manufacturing Technology and Computer-Aided Design of Technologies.

- **Significant scientific papers:**

1. **DUȘE, D.M.**, *Contributions to the management of the design for the computer– aided manufacturing of car components*. COSME 04, Brașov, Romania, 2004 (p. 59-61).
2. **DUȘE, D.M.**, Avrigean E. *Research concerning the shape and dimensional optimization of the cardanic transmission*. Ananals of MteM for 2001& of the 5<sup>th</sup> international MteM symposium, 4<sup>th</sup>-6<sup>th</sup> October 2001, Cluj Napoca, Romania (p. 91-194).
3. **DUȘE, D.M.**, Avrigean E. *Research on the stress areas of the main shaft of the cardanic transmission concerning the shape and dimensional optimization of the cardanic transmission*. Ananals of MTeM for 2001& of the 5<sup>th</sup> international MteM symposium, 4<sup>th</sup>-6<sup>th</sup> October 2001, Cluj - Napoca, Romania (p. 191-194).
4. **DUȘE D.M.** *Research Regarding the Machinability of Materials through Electro-Discharge Machining*. Micro-CAD International Scientific Conference, Section Production Engineering, Manufacturing Systems, Miskolc, Hungary, 2001 (p. 41-46).

- **Treaties, monographs, textbooks in consecrated publishing houses**

1. **DUȘE, D.M.**, *Modern Machine Manufacturing Processes* (in Romanian). Publishing House of the University of Sibiu, 2003. ISBN 973-651-705-5.
2. **DUȘE, D.M.**, Dârzu V. *Manufacturing Science. Theoretical bases* (in Romanian). Publishing House of the University of Sibiu, 2001 (146 pages), ISBN 973—651-270-3.
3. **DUȘE, D.M.** and Bologa, O., *Typified Processing Technologies*. (in Romanian). Publishing House of the University of Sibiu, 1995 (426 pages), ISBN 973-95604-6-6.
4. **DUȘE, D.M.** s.a., *Optimisation of Processing Technologies* (in Romanian). Publishing House of the University of Sibiu, 1994 (135 pages), ISBN 973-95604-2-5.

- **Director of research and development programs**

- *Technical-economic model for the renewal of local industrial technologies*, contract 1301/96 ANSTI 1996;
- *Researches regarding the implementation of technologies for processing by electro-discharge machining with contact breaking (EDMCB)*, contract 1309/96(A1), ANSTI 1996-1999;
- *Computer-aided Constructive and Technological Design for the Manufacturing of Cardan Transmissions*, contract 1309/96(B1), ANSTI 1999;
- *Computer-aided Modelling and Simulation of Integrated Production Systems*, Grant no. 39696/1998, MEN-CNFIS.
- *Informatisation of the design and manufacturing of parts from the machine manufacturing industry*, contract 40541/2003, MECT-CNCSIS.

**“EDUCATIONAL MANAGEMENT AND EVALUATION”**

- **Managerial experience (major administrative positions held):**

- **Scientific secretary** (1990-1992) of the Council of the Engineering School - LBUS;
- **Dean** of the Engineering School (1992-2000);
- **Member of the Senate** and of the **Management Board** of the LBUS (1992-2000);
- **Vice-Rector** of the LBUS, beginning with April 2000;
- **Member of the Senate Board**, beginning with April 2000;

- **Significant scientific papers:**

1. **DUȘE, D.M.**, *Appraising performance of the academic staff in engineering education* SEFI Annual Conference Valencia 2004 (p. 505-511), Spain.
2. **DUȘE, D.M.**, *The development of the organisational and professional culture at the Lucian Blaga University of Sibiu*, Romania, 15-th International Scientific – Technical Conference, Cracow 2004 (p. 29-39), Poland.
3. **DUȘE, D.M.**, *Evaluation and accreditation of engineering education in Romania*. SEFI Annual Conference, Porto 2003 (p. 53-60), Portugal.
4. **DUȘE, D.M.**, *Considerations for the future engineering education*. International Conference on Manufacturing Science and Education, Sibiu, Romania, 2003
5. **DUȘE, D.M.**, *The restructuring of natural gases exploitation activities in Romania, in the prospect of its integration in the European Union*. 17-th World Petroleum Congress, Rio de Janeiro, Brasil 2002.
6. **DUȘE, D.M.**, *The organizational culture of natural gas extraction in Romania*. 13th International Scientific–Technical Conference “New methods and technologies in petroleum, geology, drilling and reservoir engineering”, Cracow, 2002, Poland, Vol 1 (p. 91-99).
7. **DUȘE, D.M.**, *Evaluation and Accreditation of the natural gases engineering school at the “Lucian Blaga” University of Sibiu, Romania*. 12-th International Scientific – Technical Conference “New methods and technologies in petroleum, geology, drilling and reservoir engineering”, Cracow, 2001, Poland, Tom 1, (p. 73-81).
8. **DUȘE D.M.** *Appraising Performances of academic staff at University "Lucian Blaga" of Sibiu, Romania*. Third European Mining and Metallurgy Academies Rector's Conference, Cracow, Poland, 2000, Conference Digest (p. 23-43).
9. **DUȘE D.M.** *The education reform for engineering study programs at "Lucian Blaga" University of Sibiu, Romania*. 5<sup>th</sup> World Congress in Engineering Education and Training for 21<sup>st</sup> Century Requirements. Polish Federation of Engineering Associations NOT, Warsaw 2000, Conference Proceedings (CD-ROM), Poland.
10. **DUȘE D.M.** *Curriculum reform for business-management programs at "Lucian Blaga" University of Sibiu, Romania*. International Conference on Engineering Education (ICEE 2000), Taipei 2000, Taiwan, Republic of China, ISSN 1562-3580 (CD-ROM).
11. **DUȘE D.M.** *Education reform in natural gas engineering at "Lucian Blaga" University of Sibiu, Romania*. XI. International Scientific-Technical Conference "New methods and technologies in petroleum, geology, drilling and reservoir engineering", Cracow, Poland, 2000, Tom 1, ISBN-83-905880-6-4 (p. 79-87).
12. **DUȘE D.M.** *Evaluation of the technical study programs / specialisations from the higher education in Romania*. International Conference on Engineering Education (ICEE'99) Prague, Czech Republic, 1999, ISSN 1562-3580 (CD-ROM).

- **Treaties, monographs, textbooks in consecrated publishing houses**

1. **DUȘE, D.M.**, *Educational Management* (in Romanian), Publishing House of the University of Sibiu, Romania, 2003, ISBN 973-661-397- 3 (259 pages)
2. **DUȘE, D.M.**, *Human Resources Management*, (in Romanian), Publishing House of the University of Sibiu, Romania, 2001, ISBN973-651-340-8 (341 pages).
3. **DUȘE, D.M.**, *Industrial Business-Management, the Romanian-American Cooperation Program*, Publishing House of the University of Sibiu, Romania, 1997, ISBN 973-9354-04-1 (188 pages).
4. **DUȘE, C.S.** and **DUȘE, D.M.**, *Engineering Education Speciality* (in Romanian), Publishing House of the University of Sibiu, Romania, 1997 ISBN 973-9261-88-4 (227 pages)

- **Director of national and international cooperation programs**

**Romanian Director** of the Romanian-American cooperation programs in the domain of business-management (financing of USD 600.000, USIA grant #IA-AENJ-G41-90531):

- *“Study Program in the domain of business-management” (1993-1994);*
- *“Reform in the university education in the domain of business-management” (1994-2000);*
- *“Development and programming of a consultancy and restructuring model in the domain of industrial business” (1997-2000).*

**University Coordinator** of the TEMPUS JEP 1351/98 program titled *“Continuous Education and Long-Distance Learning”*

**University Coordinator** of Leonardo da Vinci programs:

- *“Student Mobility in Europe” D/99/2/013088/PL/II.1.2.a/FPJ;*
- *“European Institute for Professional Training (EUROFORM - ETI)”.*
- *CELGAS PL/04/B/F/PP-17-4431*

## Publications

• Treaties, monographs and textbooks	14
• Scientific papers	118
• Invention patents	2
• International development programs	7
• Research and development contracts	18
• Studies and projects	19

## 4.2 Awards and honours

- **Member of the Academy of Technical Sciences of Poland**
- **Order “Education Merit”, officer degree, Romania.**

## Quotations

- *Who’s who in Romania*, Pegasus Press, Bucharest, 2002 (p. 217).
- *Specialists’ Dictionary, in Who’s who in the Romanian Science and Technics*, vol. 2, Technical Publishing House, Bucharest, 1998, (p. 112).
- *Yearbook - Institutions and Specialists in Management from Romania*, FIMAN, Bucharest, 1998, (p. 144).
- *Dictionary of Specialists in the Romanian Science and Technics*, Technical Publishing House, Bucharest, 2000, (p. 311).

## Chairman, Presidence and Scientific Committees

- **Scientific reviewer** of the speciality journal **“Mechanical Engineering and Robotics”**, Science and Technology of Cracow, Poland.
- **Member** of the scientific committee **COSME 04**, Braşov 2004, Romania.
- **Chairman** of the Engineering Education section and **member** of the scientific committee of the **International Conference for Manufacturing Science and Education**, Sibiu, 2003, Romania.
- **Vice-chairman** of the Natural Gas Engineering section of the **17<sup>th</sup> World Petroleum Congress**, Rio de Janeiro, Brasil 2002;
- **Member** of the scientific committee of the **International DAAAM Symposium**, Sarajevo 2003, Bosnia and Herzegovina.
- **Member** of the scientific committee of the 11<sup>th</sup>, 12<sup>th</sup>, 13<sup>th</sup>, 14<sup>th</sup>, 15<sup>th</sup> International Science and Technology Conference **“New methods and technologies in petroleum, geology, drilling and reservoir engineering”**, Cracow 2000, 2001, 2002, 2003, 2004, Poland;
- **Chairman** of the section on University Curricula Design and Innovation, **International Conference on Engineering Education (ICEE 2000) Taipei**, Taiwan, 2000, China;
- **President** of the scientific committee of the International Conference **“Beyond 2000, Engineering Research strategies”**, Sibiu 1999, Romania.
- **President** of the organising committees of following scientific events:

- International Conference *BEYOND 2000 Engineering Research Strategies*, Sibiu, Romania, 1999.
  - Symposium “*Applicative Research in Machine Manufacturing*”, Sibiu, Romania, July 1997.
  - **National Symposium of Engineering Sciences**, Sibiu, Romania, November 1996.
  - International Conference on “*Electrotechnologies and the environment*”, Sibiu, Romania, November 1996.
  - Scientific Conference “*Involvement of the scientific research in the development and modernising of manufacturing processes*”, Sibiu, Romania, November 1995.
- **Assessment Expert for the National Agency for Science and Technology – commission for machine manufacturing**
  - **Technical Expert Ministry of Justice**
  - **Assessment Expert for the Romanian National Council for Research**
  - **Assessment Expert of AEXEA (Association of European Agreed Experts).**

#### **Member of Professional Associations**

- **European Society for Engineering Education (SEFI)**
- **European Federation of National Engineering Associations (FEANI)**
- **Verein Deutscher Ingenieure (VDI)**
- **General Association of Engineers of Romania (AGIR)**

**Languages Spoken: English and German (fluently)**

Sibiu, March 2005