

# Curriculum Vitae

Name: Maria Eugenia Iacob  
Date and place of birth: May 31, 1967, Cluj-Napoca, Romania  
Nationality: Dutch, and Romanian  
Marital status: Married, one child  
Address: Heutinkstraat 465  
7535AZ Enschede  
The Netherlands  
Telephone: 053-7074066, 061-4028382  
E-mail: [m.e.iacob@utwente.nl](mailto:m.e.iacob@utwente.nl)  
URL: <http://www.utwente.nl/mb/iebis/staff/iacob/>

## EDUCATION

1998, March PhD in Mathematics, "Convexity, Approximation and Optimisation in Networks", Babes-Bolyai University of Cluj-Napoca, Romania.  
1989, June Dipl. in Mathematics and Computer Science, Babes-Bolyai University of Cluj-Napoca, Romania.

## LANGUAGE SKILLS

English – fluent  
Dutch – fluent  
French – good  
Italian – reasonable comprehension  
Romanian – native

## EMPLOYMENT HISTORY

January 2016 - present **Professor (Adjunct hoogleraar; UHD 1), University of Twente, School of Behavioural, Management and Social Sciences, Department of Industrial Engineering and Business Information Systems, Enschede, The Netherlands.**

During this period she continued her teaching and management tasks with respect to coordination/design of three modules in the bachelor programs Business and IT (BIT), Industrial Engineering and Management (IEM), and International Business Administration (IBA). After a period of 5 years her appointment as chairperson of the OLC for the IEM programme stopped in April 2018.

In terms of research, in this period she submitted four new project proposals to NWO (3x) and Dinalog (1x), two of which have been funded (DataRel (NWO) and Autonomous Logistics Miners for Small-Medium Businesses (Dinalog)). She is the chairperson of the Smart Industry theme within the new BMS research organisation. In this capacity she drafted the Smart Industry roadmap of this research theme, for the mid-term research visitation of the BMS faculty, and she organised the activities of the Smart Industry working group. Additionally, she continued her research/management work in several projects (e.g. SynchromodalIT, Catelog), produced some new publications, and supervised to completion several PhD and master/bachelor theses (20+). Her h-index is currently 21. She was member of several PhD defence committees, she continued her service as reviewer of several journals, and member in the program committee of many conferences and

workshops.

January 2013 –  
December 2015

**Associate Professor (UHD 2), University of Twente, School of Management and Governance, Department of Industrial Engineering and Business Information Systems, Enschede, The Netherlands.**

During this period she extended her teaching tasks with the coordination/design of three modules in the new bachelor programs BIT, TBK and IBA. Furthermore she became the OLC chairperson of the TBK program. In terms of research, she continued her work in several projects, produced some new publications, and acquired funding for three PhD students in the new project proposal SynchromodalIT.

August 2006 –  
December 2012

**Assistant Professor, University of Twente, School of Management and Governance, Department of Information Systems & Change Management, Enschede, The Netherlands.**

During this period she has continued and published (in more than 70 publications) her research concerning business process management and integration, enterprise architecture and service-oriented architecture and she acquired and carried out research in several research projects with applications in different industrial sectors, such as logistics, healthcare, financial, e-government etc. (BATMAN, ASD, ArchiValue, Freeband A-MUSE, U-CARE, PAT, several innovation vouchers). She co-authored the standard specifications of the two releases of the enterprise architecture international open standard ArchiMate (under the flag of The Open Group). In this period she has also supervised more than 60 master students and a PhD student. Furthermore, she has developed new courses (e.g., ESBI, FIS), redesigned existing ones (e.g., BPM, BPIL) and taught several bachelor and master level courses on several topics regarding information systems and their applications (e.g., business process integration, business process management, business information systems practicum, enterprise systems and business intelligence, foundations of information systems, information systems design methodologies, etc.). She is currently also involved in the development of the new curriculum of the new TBK bachelor program, following to the new UT education model.

July 2000 –  
August 2006

**Scientific researcher, Telematica Instituut, Enschede, The Netherlands.**

During this period she has participated as a researcher, work package and project leader in different projects (Dutch, European, and with industrial, financial, government, and academic research partners such as Ericsson, Lucent, Compuware, BiZZdesign, ABN-AMRO, ABP, SVB, Belastingdienst, Gemeenten: Enschede, Den Haag, Zwolle, etc., Centrum voor Wiskunde en Informatica, CTIT, University of Twente, Radboud University Nijmegen, LIACS, Ordina etc.). She has also contributed to several project proposals. Her work in these projects included applied research, design and analysis of information systems and applications, consultancy and various presentations (at conferences and workshops, internal, for clients etc.). She was a member of the expertise group on Service Oriented Business Integration, and in this role she has contributed to the formulation of the research agenda for this group.

The main research topics covered in these years are:

- Business Process Engineering
- Methods, modelling and (quantitative) analysis for enterprise architectures
- Interoperability of enterprise applications
- Service oriented architectures
- Service design methodologies
- Model driven design
- Model transformations
- Context-aware services and applications.
- Electronic business

- e-government

From 2002 she also gives lectures on Electronic Commerce Services within the master course "Reference Models for Networked Applications" at the Electrical Engineering, Mathematics and Computer Science Faculty, University of Twente.

May 1998 –  
June 2000

**Assistant Professor at the Telecommunication Department, Polytechnic University of Cluj-Napoca, Romania (part time)**

During this period she has been teaching an undergraduate course on Digital Image Processing.

October 1997 –  
October 2001

**Assistant Professor at the Computer Science Department, Faculty of Mathematics and Computer Science, University "Babes-Bolyai" of Cluj-Napoca, Romania.**

Her main activity during this period was teaching undergraduate courses on Graph Theory, Programming and Multimedia Systems and Applications (courses and practical works). Besides, she has mentored several undergraduate and master students.

Her research during this stage focused on optimization problems and convex analysis on graphs and networks, and it was conducted during her PhD program. She also participated in the European project Tempus S\_JEP 11168 on teaching and educational issues.

In this period she also published a number of teaching materials and scientific articles.

From June 2000 until October 2001 her activity at the University "Babes-Bolyai" of Cluj was reduced due to the appointment at Telematica Instituut.

February 1991  
– September  
1996

**Teaching Assistant and PhD student at the Computer Science Department, Faculty of Mathematics and Computer Science, University "Babes-Bolyai" of Cluj-Napoca, Romania.**

The teaching activities included supervising practical assignments for several undergraduate courses (programming and graph theory). As teaching assistant she started her research on optimisation problems and convex analysis on graphs and networks, formulated her research statement for admission to the PhD program, wrote several research reports in partial fulfilment of the PhD program and published a number of papers in this area of research.

September  
1989-February  
1991

**Researcher at the Regional Computing Centre, Cluj-Napoca, Romania.**

## SCIENTIFIC INTERESTS

- **Enterprise Architectures:** Methods, modelling and (quantitative) analysis
- **Smart Industry:** Internet of Things, design of Cyber-Physical system of Systems, Smart supply Chains, (big) Data Analytics
- **Business Process Integration and Management:**
  - Quantitative analysis (performance) of business processes and enterprise architectures
  - Imperative and declarative process modelling, Business Rules
  - Inter- and intra-organisational business process integration
  - Coordination in supply chains
- **Data and Process Interoperability** of distributed enterprise applications, inter-organisational integration
- **Design of resilient cyber-physical system of systems**

- **Business strategy, Business Models, Goal and Value modelling**, electronic commerce and networked business
- **Business Intelligence and Data Models**
- **Service-Oriented and Model-driven Design:**
  - Service Oriented Architectures
  - Cloud Computing
  - Model-driven design of information systems
  - Model Transformations
  - Context-aware services and applications
  - Multi-Agent Systems E-government and e-services
- **Other (past)** scientific interests and experience include: Graph theory, optimisation and discrete mathematics, Digital Image Processing