

CURRICULUM VITAE

o. Univ. Prof. Prof. h.c. Dr. Ing. Dimitrios Karagiannis

1. Personal data:

Name: o. Univ. Prof. Prof. h.c. Dr. Ing. Dimitrios Karagiannis

Birthday: March 21st, 1956

Birth Place: Chalkis, Evia/Greece

Marital Status: Married since 1979, 1 child

Citizenship: Greece, Germany, Austria

Address: Lützowufer 1, 10785 Berlin, Germany
Hafnersteig 5/1/32, 1010 Vienna, Austria

2. Education:

1962-1968 Primary school, Chalkis, Evia

1968-1975 Secondary school, Chalkis, Evia
Graduation: University-entrance diploma (equiv. A-levels in GB)

01/1976-09/1976 University of Stuttgart, Germany
Introductory semester for foreign students
Graduation: University-entrance permission

WS 1976/77 – SS 1978 University Stuttgart
Undergraduate study of electrical engineering

WS 1978/79-WS1982/83 Berlin Technical University
Study of Computer Science
Graduation: Dipl.-Inf., Grade: "Very good" (equiv.: A+ Grade)

12/1987 Berlin Technical University
Conferral of the doctorate degree (Dr.-Ing.) in Computer Science
Topic of the Doctoral-Thesis: "Representation and Processing of Knowledge Structures: The Hybrid System KANON"
Grade: Summa cum laude

12/1992 University of Vienna

Award of the authorization to teach (“venia docendi”) at the Faculty of Social Sciences, Business Administration and Computer Science at the Institute for Applied Computer Science and Information Systems

3. Professional Experience:

04/1983 – 09/1984	Berlin Technical University Employee for data processing at the Computer Science Department, the Institute for System Analysis and IT-Systems (FB 20)
10/1984 – 09/1988	Berlin Technical University Research Assistant and Project-Staff at the Computer Science Department, the Institute for System Analysis and IT-Systems (FB 20)
10/1998 – 12/1992	Forschungsinstitut für anwendungsorientierte Wissensverarbeitung (FAW Ulm) Division Head „Enterprise Information Systems“
Since 01/1993	University of Vienna Full Professor at the Faculty of Social Sciences, Business Administration and Computer Science (since 2011: Faculty of Computer Science) Founding of the Department “Knowledge Engineering”
05/1995 - 10/2005	BOC Information Technologies Consulting GmbH Founder and Managing Director of the BOC Group and its subsidiaries (Austria, Spain, Ireland, Greece, Poland)
Since 11 /2005	BOC Information Technologies Consulting AG Chair of the Supervisory Board
Since 10/2005	BOC Asset Management GmbH Managing Director

4. Research Stays Abroad

02/1988 – 04/1988	Technical University of Athens, Greece Faculty of Industrial Management
10/1990 – 03/1991	University of California at Berkley, USA Computer Science Department ICSI – International Computer Science Institute

5. Memberships

German Informatics Society, Austrian Computer Society, IEEE, ACM, as well as several Special Interest Groups of these organizations

6. Research Activities

Research activities started at Berlin Technical University in the field of databases with focus on deductive databases.

At FAW the research focus was on object-oriented approaches and the realization of information systems.

In a natural development further research activities progressed at the University of Vienna in meta-modelling. A part of the research activities is the implementation of research results in real-world systems. The research activities have taken and take place in national and international, industrial and research projects.

- Founding Member of the Open Models Initiative in 2008
- Founder and Head of the Open Models Laboratory since 2012

7. Teaching Activities

Lectures, practical courses and seminars in the domains of computer science and business informatics at

- Berlin Technical University, Germany
- University Ulm, Germany
- University Karlsruhe, Germany
- University of Vienna, Austria
- University Linz, Austria
- University Babes-Bolyai Cluj, Romania

as well as supervision of Bachelor, Master, Diploma, Doctoral Thesis as well as habilitations in national and international universities.

8. Further Scientific Activities

8.1. Membership in Editorial Boards

- Business & Information Systems Engineering (BISE) Journal, Member of the Editorial Board
- Enterprise Modeling and Enterprise IS Department at BISE, Department Chair
- International Journal of Systems and Management Services, Member of the Editorial Board
- Requirements Engineering Journal, Member of the Editorial Board

8.2. Industrial exploitation of research activities

An exemplary enumeration of exploitation activities includes:

- Member of the steering committee of Together Internet Services GmbH (2001-2009)
- Membership in the Scientific Advisory Board of INiTS GmbH, who consults and supports young graduates in creating enterprises (since 2009)
- Chairmanship of the Supervisory Board of UNIPORT (2008-2012)
- Membership in the Scientific Advisory Board of "Secure Business Austria"
- Membership in the Board of Directors of the Institute of Information Management at the University of St. Gallen (since 2014)
- Membership of the audit committee of the FIT-Institute of the Fraunhofer-Society (2014)
- Founding of the BOC Group, a software and management consulting group of companies (since 1995)

8.3. Participation in Expert Committees

Participation in expert committees takes place both on a national and international level.

Exemplary for these are the following expert committees:

- "Coordination action in complex systems" funded by the FET unit of the EC
- FP7/ICT: "Collaborative working environments on business and industry"

8.4. Awards

- Award of the "Homos Hellenicus" Prize in 2010, Delphi, Greece
- Award of the "Professor Honoris Causa" from the University Babes-Bolyai Cluj, Romania in 2011

9. Committee Work

9.1. Participation in the academic administrative autonomy

- University of Vienna:
 - Head of the Research Group Knowledge and Business Engineering

- Chairmanship in appointment proceedings for university professors
- Chairmanship in habilitation committees
- Chairmanship of the Study Commission between 1994 and 1996.
- Chairmanship of the professor's curia at the Faculty of Computer Science since 2011
- Scientific Management of the Master-Course "Health Care Management" at the Medical University of Vienna

9.2. Participation in non-university committees

- Chairman of the Supervisory Board of the "Career Center" at the University of Vienna (www.uniport.at)
- Chairman of the Supervisory Board at BOC AG (www.boc-group.com). Founder of the group in 1995.
- Member of the Scientific Advisory Board of INiTS GmbH (www.inits.at)
- Member of the Scientific Advisory Board of the Virtual Global University (www.vg-u.de)
- Vice-President of the Austrian Computer Society (until 2012) (www.ocg.at)
- Member of the Presidium of the Austrian Computer Society (www.ocg.at)
- Chairman of the working group "IT-Governance" at the Austrian Computer Society
- Chairman of the certification committee "ISO270001" at the Austrian Computer Society
- Member of the Presidium of the German Informatics Society (2012-2014) (www.gi.de)
- Chairman of the steering committee of the Regional Group Berlin Brandenburg of the German Informatics Society (since October 2014)

9.3. A selection of program committee memberships in international scientific conferences:

2012:

- Track "Modellierung betrieblicher Informationssysteme", Track "Enterprise Transformation" and Track "Wissensmanagement" at the MKWI-Conference
- Track on "Software and Web Engineering" at the SofSem-Conference
- SWQD, CAiSE, RCIS, Modellierung, BIR, ICISOFT, MORE-BI, SAPSE, COMPSAC, ICETS, KMC, DATA, LISS, DEXA, EGOVIS, UNISCON
- Workshop on "Agents and Multiagent Systems for Enterprise Integration"
- International Workshop on "Requirements Engineering for Services"

2013:

- BIR2013, BPM-DEMiMoP Workshop, BPM Winterschool 2013, CAiSE, CBI 2013 – Enterprise Modelling Track, DATA, DEXA, EGOVIS & EDEM 2013, EMISA, ICEIS, ICIS, ICIS Track on IT Artifacts, ICISOFT-EA and ICISOFT-PT, ICT-Eurasia 2013, iiWAS, I-Know, Information Systems, ISSS-Workshop, iSTAR-Workshop, LISS, LWA, PCI, POEM, ProWM, RCIS, REFS, RELAW, SAPSE, SIGSAND, STM, TEAR, WI

2014:

- ASDENCA, BIR, BMSD, COBI, COMPSAC, Compsystech, DATA, DEXA, EMIA, ER, EUROSymposium, FedCSIS, ICIS, ICSOFT, ICT-Eurasia, iiWAS, iKNOW, ISD, iSTAR, KSEM, LWA, MKWI, NGEBIS, RCIS, RELAW, SAPSE

9.4. A selection of steering committee/advisory board memberships in international conferences:

- Conference Series on “Knowledge Management, Science and Engineering”
- “Wirtschaftsinformatik 2015”

LIST OF SELECTED PUBLICATIONS

o. Univ. Prof. Prof. h.c. Dr. Ing. Dimitrios Karagiannis

A selection of publications in books and journals:

- D. Karagiannis: Die Rolle von Workflow Management beim Re-Engineering von Geschäftsprozessen
dv management 3/1994
- D. Karagiannis, F.J. Radermacher, B. Teufel, B.E. Wynne: Towards CSCW: Metalevel Environments for Enhanced Group and Organization Effectiveness
Journal of Organizational Computing, 4(4), 1994, pp. 367-392.
- D. Karagiannis, L. Marinos: Integrating Engineering Applications via Loosely Coupled Techniques: A Knowledge-Based Approach, Expert Systems With Applications
8(2), 1995, Elsevier, pp. 303-319.
- D. Karagiannis: BPMS: Business Process Management Systems
ACM SIGOIS Bulletin 16 (1995), No. 1, pp. 10-13.
- H.-J. Schneider, D. Karagiannis: Das hybride System KANON
CIM Management, 4. 87.
- R. Bardens, D. Karagiannis: Knowledge-Based Manpower Planning
Annals of Operations Research, 16 (1988), pp. 349-374.
- D. Karagiannis, R. Woitsch (2010): Knowledge Engineering in Business Process Management
In: (Eds.) J. Vom Brocke, M. Rosemann, Handbook on Business Process Management 2, Springer, 2010
- Buchmann R., Karagiannis D.: "Modelling Collaborative-Driven Supply Chains: The ComVantage Method"
Manufacturing Modelling, Management and Control St. Petersburg, Vol. 7, Part 1 (eds.: Bakhtadze N., Chernyskov K., Dolgui A., Lototsky V.), p. 567-572, Elsevier IFAC Proceedings, 2013

A selection of publications of papers in conference proceedings:

- K. Hinkelmann, D. Karagiannis: Context-sensitive office tasks
International Journal Decision Support Systems 8 (1992), North Holland, pp. 255-267
- D. Karagiannis, R. Staudte, H. Grünberger: Fuzzy-Phone: A Fuzzy Logic based Tool
DEXA '92, Valencia, Spain, Springer
- D. Karagiannis, K. Hinkelmann: Sharing of Very Large-Scale Knowledge Bases: A Rule-Selection
Proceedings of the International Conference on Building and Sharing of Very Large-Scale

- approach
- D. Karagiannis: Towards Business Process Management Systems. Tutorial
- S. Teufel, J.H.P. Eloff, K. Bauknecht, D. Karagiannis: Information Security in Computer Supported Cooperative Work
- D. Karagiannis, R. Telesko, C. Mayr: A DSS-Model for attack detection
- D. Karagiannis, R. Telesko, C. Mayr, W. Kaghofer: Intelligente Virenerkennung und -klassifikation: Das (V)-SECURENET-Projekt,
- D. Karagiannis, C. Mayr, R. Telesko: Knowledge Selection in large PROLOG-applications: The (V)-SECURENET-project
- H. Kühn, D. Karagiannis, S. Junginger: Metamodellierung in dem BPMS-Analysewerkzeug ADONIS
- D. Karagiannis, M. Heidenfeld: Modellierung, Analyse und Evaluation sicherer Geschäftsprozesse: Ein Implementierungsansatz in Security Workflows
- M. Heidenfeld, D. Karagiannis: Sicherheitsaspekte beim Einsatz von Workflow-Management-Systemen
- J. Herbst, D. Karagiannis: Integrating Machine Learning and Workflow Management to Support Acquisition and Adaptation of Workflow Models
- J. Herbst, D. Karagiannis: An Inductive Approach to the Acquisition and Adaptation of Workflow Models
- R. Telesko, D. Karagiannis: Knowledge Selection with Neural Networks
- D. Karagiannis; R. Telesko: The PROMOTE project: Process-oriented knowledge management
- R. Telesko; D. Karagiannis: InfoAtlas: Process-oriented knowledge management in an Intranet environment
- Knowledge Bases '93, Tokyo, 1993, December 1-2, pp.185-193.
- International Conference on Cooperative Information Systems (Coop'IS). Toronto May 1994
- Proceedings of the 6th International DEXA Conference and Workshop on Database and Expert System Applications (DEXA 95), September 4-8, 1995, London.
- Proceedings of the ACSAC 95 (11th Annual Computer Security Applications Conference), New Orleans, LA, December 11-15, 1995, Los Alamitos 1995, IEEE Computer Society Press, pp. 133-141.
- K. Bauknecht, D. Karagiannis, S. Teufel (Hrsg.): Sicherheit in Informationssystemen (SIS '96), Proceedings der SIS '96, Zürich 1996, vdf-Verlag, pp. 309-326.
- Proceedings of the 4th International Conference on the Practical Application of PROLOG (PAP '96), London, April 23-25, 1996, Blackpool 1996, pp. 159-171.
- Konferenz Informatik '96, Schwerpunktthema B) Softwaretechnik und Standards. 25.-27. September 1996, Uni Klagenfurt.
- Proceedings der SIS 98, Zürich 1998, vdf-Verlag
- IT-Sicherheitsmanagement '95. München, November 1995.
- International DEXA (Database and Expert System Applications) Conference, DEXA 98, Wien 1998, pp.745-752.
- 16th International Joint Conference on Artificial Intelligence (IJCAI '99), Stockholm, July 31 - August 6, 1999.
- International Joint Conference on Neural Networks (IJCNN '99), Washington D.C., July 10 - July 16, 1999
- Proceedings of the 3rd European Conference on Product and Process Modelling, Lisbon, Portugal, September 25-27, 2000
- Proceedings of the International Symposium on Interactive and Collaborative Computing (ICC'2000), Wollongong, Australia, December, 11-15, 2000

- D. Karagiannis; R. Telesko: The EU-Project PROMOTE: A Process-oriented Approach for Knowledge Management
- Proceedings of the 3rd Third International Conference on Practical Aspects of Knowledge Management 30-31 October, 2000, Basel, Switzerland
- Woitsch, R., Karagiannis, D., Fill, H-G. and Blazevic, V. (2007): Semantic Based Knowledge Flow System in European Home Textile: A Process Oriented Approach with PROMOTE
- International Conference on Knowledge Management, (I-KNOW 07), Graz, Austria, Conference Proceedings
- Karagiannis D., Utz W., Woitsch R. and Eichner H. (2008): BPM4SOA Business Process Models for Semantic Service-Oriented Infrastructures
- eChallenges e-2008 Conference, (eChallenges 08), Stockholm, Sweden, IOS Press
- Karagiannis, D., Woitsch, R., Utz, W., Hrgovcic, V. and Eichner, H. (2008): Business Episodes and Workflow Integration: A Use Case in LD-CAST
- 3rd International Conference on Internet and Web Applications and Services, (ICIW 08), Athens, Greece, p. 84 - 89, IEEE
- Karagiannis, D., Woitsch, R., Utz, W., Eichner, H. and Hrgovcic, V. (2008): The Business Process as an Integration Platform: Case Studies from the EU-Projects LD-Cast and BREIN
- 3rd international Workshop on Semantic Business Process Management (SBPM 08), part of 5th European Semantic Web Conference (ESWC 08), Tenerife, Spain, CEUR WS
- Karagiannis, D., Leutgeb, A., Utz, W. and Woitsch, R. (2007): Semantische und adaptive E-Government Prozesse – Ein Erfahrungsbericht über ontologiebasierte Ansätze aus EU Projekten
- E-Government Konferenz 2007, Krems, Austria, OCG
- Karagiannis, D., Woitsch, R., Utz, W. and Hrgovcic, V. (2008): Der Prozess als Integrationsplattform: Ein Erfahrungsbericht des EU-Projektes LD-Cast
- Internationales Rechtsinformatik Symposium, (IRIS 08), Salzburg, Austria, OCG
- Karagiannis, D., Utz, W., Woitsch, R., and Leutgeb, A. (2008): Business Processes and Rules - An eGovernment Case Study
- AAAI 2008 Spring Symposium - AI Meets Business Rules and Process Management, Stanford, USA, AAAI
- Woitsch, R., Karagiannis, D., Fill, H-G. and Blazevic, V. (2007): Semantic Based Knowledge Flow System in European Home Textile: A Process Oriented Approach with PROMOTE
- International Conference on Knowledge Management, (I-KNOW 07), Graz, Austria, Conference Proceedings
- Woitsch, R., Karagiannis D. and Utz W. (2008): Next Generation Modelling: Meta-Models As Mediators Between Domain Experts and Ontologies in AsIsKnown
- eChallenges e-2008 Conference, (eChallenges 08), Stockholm, Sweden, IOS Press
- Karagiannis, D. and Utz, W. (2008): Business Processes in e-Government: A Rule-Based Approach to Enable e-Government Agility
- 5th International Conference on Small and Medium Sized Enterprises (SME 08), Athens, Greece, ATINER
- Hrgovcic, V., Woitsch, R., and Karagiannis, D. (2009): Smart, Adaptive and Collaborative Public Administration: The Knowledge Base as Enabler
- Internationales Rechtsinformatik Symposium, (IRIS 09), Salzburg, Austria, OCG
- Utz, W., Hrgovcic, V. and Karagiannis D. (2009): ADVISOR[®]: Towards Holistic Model-Based e-Learning Environments Based On Meta-Modelling
- 5th International Conference on Multimedia and ICT in Education (m-ICTE 09), Lisbon, Portugal

Concepts

- Abazi, F., Woitsch, R., Hrgovcic, V. and Karagiannis, D. (2009): Inspection Pathways to Nuclear Knowledge Management
Robert Woitsch, Dimitris Karagiannis, Vedran Hrgovcic (2010): Industrialisation of the Knowledge Work: Business and Knowledge Alignment
The 9th International Conference on Information management, (ICIM 09), Gdansk, Poland
- Dimitris Karagiannis, Robert Woitsch, Vedran Hrgovcic (2010): Business and IT-Alignment: A plug-in approach for Model-Oriented Knowledge Transfer
I-KNOW 10 Conference, Graz, Austria, J.UCS, 1-3.09.2010
- Dimitris Karagiannis, Robert Woitsch, Vedran Hrgovcic (2010): Industrialisation of the Knowledge Work: The Knowledge Conveyor Belt Approach
eChallenges e-2010 Conference, (eChallenges 10), Warsaw, Poland, IOS Press, 27-29.10.2010
- Hrgovcic V., Woitsch, R. and Karagiannis D. (2011): Hybrid Service Modeling in Enterprise Computing
In: (Eds.) E. O'Brien, S. Clifford, M. Southern: Knowledge Management for Process, Organizational and Marketing Innovation: Tools and Methods, IGI Global, 2010
- Karagiannis, D., Hrgovcic, V. and Woitsch, R. (2011) Model Driven Design for E-Applications: The Meta Model Approach
13th IEEE Conference on Commerce and Enterprise Computing (CEC 11), Luxembourg, September 5-7 2011, IEEE
- Hrgovcic V., Utz W. and Karagiannis D. (2011): Service Modeling: A Model Based Approach for Business and It Alignment,
Emerging Research and Projects Applications and Services symposium (ERPAS2011), In conjunction with the 13th International Conference on Information Integration and Web-based Applications & Services - iiWAS, Ho Chi Min City, Vietnam, December 5-7, 2011, ACM
- Utz W., Woitsch, R. and Karagiannis D. (2011): Conceptualisation of Hybrid Service Models: An Open Models Approach
The 4th IEEE International Workshop on Service Science and Systems (SSS 2011), In conjunction with the 35th Annual IEEE International Computer Software and Applications Conference COMPSAC Munich, Germany, July 18-21 2011, IEEE
- Karagiannis D., Mostahari A., Moser C.: "Compliance Evaluation Featuring Heat Maps (CE-HM): A Meta-Modelling Based Approach"
The 5th International IEEE Workshop on Requirements Engineering for Services (REFS 2011), In conjunction with the 35th Annual IEEE International Computer Software and Applications Conference COMPSAC Munich, Germany, July 18-21 2011, IEEE
- Hrgovcic, V., Karagiannis, D. and Woitsch, R. (2013): Conceptual Modeling of the Organisational Aspects for Distributed Applications: The Semantic
Proceedings of the 24th International Conference CAiSE, p. 414-428, Gdansk Poland, 2012
- Hrgovcic, V., Karagiannis, D. and Woitsch, R. (2013): Conceptual Modeling of the Organisational Aspects for Distributed Applications: The Semantic
The 2nd IEEE Workshop on Modeling and Verifying Distributed Applications (MVDA 2013), In conjunction with the 36th Annual IEEE

Lifting Approach

International Computer Software and Applications Conference COMPSAC Kyoto, Japan, July 22-26, 2013, IEEE

Buchmann R., Karagiannis D., Visic N.: „Requirements Definition for Domain-Specific Modelling Languages: The Comvantage Case“

Lecture Notes in Business Information Processing vol. 158, p. 19-33, Springer Verlag, 2013

Prackwieser C., Buchmann R., Grossmann W., Karagiannis D.; „Overcoming Heterogeneity in Business Process Modelling with Rule-Based Semantic Mappings“

International Journal of Software Engineering and Knowledge Engineering, accepted for publication, 2014

A selection of edited books and journals:

K. Bauknecht, D. Karagiannis, S. Teufel: Tagungsband "Sicherheit in Informationssystemen" 21./22. März 1996, Hochschulverlag an der ETH Zürich, 1996.

H.-R. Hansen, D. Karagiannis, H.-G. Fill: Tagungsband WI2009 „Business Services: Konzepte, Technologien und Anwendungen“, 25./27. Februar 2009, OCG-Verlag, 2009

D. Karagiannis, Z. Jin: Proceedings „Knowledge Management, Science and Engineering“, 25./27. November 2009, LNAI/Springer

H.-G. Fill, D. Karagiannis, U. Reimer: Tagungsband “Modellierung 2014”, 19./21. März 2014, Lecture Notes in Informatics, 2014