

PROF. DR. KNUT HINKELMANN

CURRICULUM VITAE

PERSONAL DETAILS

Name	Knut Hinkelmann
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CURRENT POSITION

FHNW University of Applied Sciences and Arts Northwestern Switzerland, School of Business

- Professor for Information Systems and
- Dean of MSc in Business Information Systems

QUALIFICATION

Diploma in Computer Science, University of Kaiserslautern, January 1988

Dr. rer. nat., University of Kaiserslautern, January 1995

PROFESSIONAL EXPERIENCE

1988 –1990	Research Institute for Application-oriented Knowledge Processing (Forschungsinstitut für Anwendungsorientierte Wissensverarbeitung - FAW), Ulm, Researcher
1990 - 1998	German Research Center for Artificial Intelligence, DFKI, Kaiserslautern
1990-95	Dept. of Intelligent Engineering Systems, Researcher
1995-98	Deputy Head of Department Information Management and Document Analysis, Head of Knowledge Management Research
1992	Sabbatical at the University of Texas at Austin
1998 – 2000	Insiders Information Management GmbH, Kaiserslautern; Product Manager and Head of Innovation Group
1999 – 2000	Künstliche Intelligenz Beteiligungen GmbH, CEO
2006 - 2012	STEAG & Partner AG, Scientific Advisory Board
since 2000	University of Applied Sciences and Arts Northwestern Switzerland FHNW (formerly FHSO), Professor for Information Systems
2002-08	Dean of Study BSc in Business Information Technology,
2006-12	Head of Competence Center Information and Knowledge Management
since 2008	Dean of Study MSc in Business Information Systems



PUBLICATIONS

Books:

- Hinkelmann, Knut; Urech, Ralph (2010): ECM - Enterprise Content Management, ISBN 978-3-905413-54-0, BPX-Edition, Rheinfelden.
- Hinkelmann, K.; Thönssen, B. (2009): DMS Dokumentenmanagement & Elektronische Archivierung. 2. Auflage, ISBN 978-3-905413-70, BPX-Edition, Rheinfelden.
- Abecker, A.; Hinkelmann, K.; Maus, H.; Müller, H.J. (Hrsg.) (2002): Geschäftsprozessorientiertes Wissensmanagement - Effektive Wissensnutzung bei der Planung und Umsetzung von Geschäftsprozessen ISBN 3-540-42970-0. Springer-Verlag.
- Hinkelmann, K. (1995): Transformation von Hornklusel-Wissensbasen: Verarbeitung gleichen Wissens durch verschiedene Inferenzen. Dissertationen zur Künstlichen Intelligenz, Band 81, infix-Verlag.

Proceedings:

- Koenig, A.; Dengel, A.; Hinkelmann, K.; Kise, K.; Howlett, R.J.; Jain, L.C. (Eds.) (2011): Knowledge-Based and Intelligent Information and Engineering Systems, parts 1-4, 15th International Conference, KES 2011, Kaiserslautern, Germany, September 12-14, 2011. Springer-Verlag, LNAI6881, LNAI6882, LNAI6883, LNAI6884
- Hinkelmann, Knut and Thönssen, Barbara (Eds.) (2010): MeTTeG10 - Proceedings of the 4th International Conference on Methodologies, Technologies and Tools Enabling E-Government. edition gesowip.
- Hinkelmann, Knut and Wache, Holger (2009): WM2009: 5th Conference on Professional Knowledge Management. GI-Edition Lecture Notes in Informatics (LNI) - Proceedings, Volume P-145
- Thönssen, Barbara; Hinkelmann, Knut; Endl, Rainer and Reimer, Ulrich (Ed.) (2007): TED Conference on e-Government (TCGOV-2007) - Enhancing Public Administration Back-Offices. Poznan, Poland, April 27th 2007, Universitätsverlag Rudolf Trauner, Linz, Schriftenreihe Informatik, Band 23.
- Hepp, M.; Hinkelmann, K.; Karagiannis, D.; Klein, R. and Stojanovic, N. (Ed.) (2007): Proceedings of the Workshop on Semantic Business Process and Product Lifecycle Management held in conjunction with the 3rd European Semantic Web Conference (ESWC 2007) Innsbruck, Austria, June 7, 2007, CEUR Workshop Proceedings, Vol-251
- Abecker, A.; Hinkelmann, K.; Maus, H.; Müller, H.J. (Hrsg.) (2001): Geschäftsprozessorientiertes Wissensmanagement - Von der Strategie zum Content Proceedings des Workshops anlässlich der 1. Konferenz "Professionelles Wissensmanagement" WM'2001 in Baden-Baden, 14-16 März 2001, CEUR Workshop Proceedings, Vol-37, (Eine Printversion wurde als DFKI-Dokument D-01-02 veröffentlicht)

Journals:

- Woitsch, R., Karagiannis, D., Plexousakis, D., Hinkelmann K. (2009): Business and IT alignment: the IT-Socket. Elektrotechnik & Informationstechnik, Springer-Verlag 2009, 126/7
- Tripathi, U. K., Hinkelmann, K. and Feldkamp, D. (2008): Life Cycle for Change Management in Business Processes using Semantic Technologies. Journal of Computer, Vol. 3, No. 1, January 2008
- Hinkelmann, K., Probst, F., Thönssen, B. (2005): Referenzmodellierung für E-Government-Services. Wirtschaftsinformatik, 47 (2005) 5, S. 356-366
- Abecker, A.; Bernardi, A.; Hinkelmann, K.; Kühn, O.; Sintek, M. (2000): Context-Aware, Proactive Delivery of Task-Specific Knowledge: The KnowMore Project. International Journal on Information Systems Frontiers, Special Issue on Knowledge Management and Organizational Memory, Vol. 2:3/4, 253-276, Kluwer Academic Publishers.



- Abecker, A.; Bernardi, A.; Hinkelmann, K.; Kühn, O.; Sintek, M. (1998): Towards a Well-Founded Technology for Organizational Memories. IEEE Intelligent Systems and their Applications, Vol. 13, Nummer 3, S. 40 - 48, May/June 1998. Reprint in: James W. Cortada, John A. Woods (Eds.), The Knowledge Management Yearbook 1999-2000, Butterworth-Heinemann, pp. 185-199
- Hinkelmann, K. (1998): Optimaler Einsatz geistiger Ressourcen: Vom Geschäftsprozessmanagement zum Wissensmanagement - Grundaktivitäten des Ablaufs, Hilfe durch ein Organizational Memory. Wissenschaftsmanagement - Zeitschrift für Innovation, 4. Jahrgang, Heft 3, S. 30 - 36, Mai/Juni 1998.
- Hinkelmann, K.; Hintze, H. (1997): State-Saving Transformations for Efficient Bottom-Up Evaluation of Logic Programs and Rule-Based Systems. In: Annals of Mathematics and Artificial Intelligence, Vol. 20, S. 335-356
- Boley, H.; Hanschke, P.; Hinkelmann, K.; Meyer, M. (1995): COLAB - A Hybrid Knowledge Representation and Compilation Laboratory. Annals of Operations Research, Vol. 55, S. 11 - 79.
- Hinkelmann, K.; Meyer, M.; Schmalhofer, F. (1994): Knowledge-Base Evolution for Product and Production Planning. AI Communications, June 1994.
- Hinkelmann, K.; Karagiannis, D. (1992): Context-sensitive office tasks - a generative approach. Decision Support Systems, Vol. 8, June 1992.

Reviewed Conference Papers and Book Chapters

- Hinkelmann, K.; Maise, M. and Thönssen, B. (2013). Connecting Enterprise Architecture and Information Objects Using an Enterprise Ontology. Enterprise Systems Conference, Cape Town, November 2013.
- Hinkelmann, K. and Suter, Markus (2013). Extending Business Motivation Modelling to Foster Regional Flexibility in IT Architecture Management Paul Cunningham and Miriam Cunningham (Eds): eChallenges e-2013 Conference Proceedings. IIMC International Information Management Corporation, 2013
- Witschel, H. F., Nguyen, T. Q., & Hinkelmann, K. (2012). Learning Business Rules for Adaptive Process Models. In: BUSTECH 2012 - The Second International Conference on Business Intelligence and Technology. Nice, France
- Brander, Simon; Hinkelmann, Knut; Hu, Bo; Martin, Andreas; Riss, Uwe V.; Thönssen, Barbara; Witschel, Hans-Friederich (2011): Refining process models through the analysis of informal work practice. 9th International Conference on Business Process Management.
- Böhlen, Roger; Hinkelmann, Knut (2011): Application and Evaluation of the Multi-dimensional Knowledge Framework Approach. Maier, Ronald (Hrsg.): 6th Conference on Professional Knowledge Management - From Knowledge to Action. GI-Edition, Lecture Notes in Informatics, Volume P-182, pp. 170-179.
- Riss, Uwe V.; Magenheimer, Johannes; Reinhardt, Wolfgang; Nelkner, Tobias; Hinkelmann, Knut (2011): Added Value of Sociofact Analysis for Business Agility. In: Hinkelmann, Knut; Thönssen, Barbara: AI for Business Agility. AAAI 2011 Spring Symposium. Technical Report SS-11-03. Published by The AAAI Press, Menlo Park, California.
- Brander, Simon; Hinkelmann, Knut; Martin, Andreas; Thönssen, Barbara (2011): Mining of Agile Business Processes. Mining of Agile Business Processes. In: Hinkelmann, Knut; Thönssen, Barbara: AI for Business Agility. AAAI 2011 Spring Symposium. Technical Report SS-11-03. Published by The AAAI Press, Menlo Park, California.
- Witschel, Hans-Friederich; Hu, Bo; Riss, Uwe V.; Thönssen, Barbara; Brun, Roman; Martin, Andreas; Hinkelmann, Knut. (2010): A collaborative approach to maturing process-related knowledge. BPM2010, 8th International Conference on Business Process Management.
- Hinkelmann, Knut; Nikles, Simon; Wache, Holger; Wolff, Daniela (2010): An Enterprise Architecture Framework to organize Model Repositories. In Woitsch, Robert and Micsik, Andras: OKM Open Knowledge Models, Workshop W3 at EKAW 2010.



- Hinkelmann, K., Merelli, E. and Thönssen, B. (2010): The Role of Content and Context in Enterprise Repositories. 2nd International Workshop on Advanced Enterprise Architecture and Repositories - AER 2010
- Schmidt, A., Hinkelmann, K., Ley, T., Lindstaedt, S., Maier, R., Riss, U. (2009): Conceptual Foundations for a Service-Oriented Knowledge & Learning Architecture: Supporting Content, Process, and Ontology Maturing. In: Schaffert, S., Tochtermann, K. and Pellegrini, T. (eds.): Networked Knowledge - Networked Media: Integrating Knowledge Management, New Media Technologies and Semantic Systems, Springer
- Re, B., Corradini, F., Polini, A., Polzonetti, A., Hinkelmann, K. (2009): C2ST: A Quality Framework to Evaluate E-Government Service Delivery In: Wimmer, M. A., Scholl, H. J., Janssen, M., Traunmüller, R. (Eds.). Electronic Government. 8th International Conference, EGOV 2009. Springer Verlag: Heidelberg et al, LNCS 5693, 2009
- Brun, R., Hinkelmann, K., Telesko, R. and Thönssen, B. (2009): Towards an Integrated Approach to Assess the Potential of an Enterprise to Mature Knowledge. In: Hinkelmann, K.; Wache, H.: WM2009 - 5th Conference on Professional Knowledge Management, Springer-Verlag.
- Schmidt, A., Hinkelmann, K., Ley, T., Lindstaedt, S., Maier, R., Riss, U. (2008): Conceptual Foundations for a Service-oriented Knowledge and Learning Architecture: Supporting Content, Process and Ontology Maturing. In: 8th Int. Conference on Knowledge Management (I-KNOW 08), Graz
- Feldkamp, D., Hinkelmann, K., and Thönssen, B. (2007): KISS- Knowledge-Intensive Service Support: An Approach for Agile Process Management. In: Paschke, A., Biletskiy, Y. (Eds.): Advances In Rule Interchange and Applications, Int. Symposium RuleML 2007, Springer-Verlag, pp. 25-38
- Hinkelmann, K., Nikles, S., Thönssen, B., von Arx, L. (2007): An Ontology-based Modelling Tool for Knowledge Intensive E-Government Services. In: Corradini, F., Polzonetti, A. (Eds.): MeTTeG07, Proceedings of the 1st International Conference on Methodologies, Technologies and Tools Enabling E-Government, Halley Editrice SRL, Camrina, Italy 27-28 September 2007, pp. 43-56
- Hinkelmann, K., Magenheimer, J., Reinhardt, W., Nelkner, T., Holzweißig, K., Mlynarski, M. (2007): KnowledgeBus - An Architecture to Support Intelligent and Flexible Knowledge Management. In: Duval, E., Klamma, R., Wolpers, M. (Ed.) Creating New Learning Experiences on a Global Scale. Second European Conference on Technology Enhanced Learning, EC-TEL 2007 Crete, Greece, Springer Berlin, ISSN 0302-9743 (Print), S. 487-492.
- Hinkelmann, K. and Tripathi, U. K. (2007): Change Management in Semantic Business Processes Modeling. Proceedings Eighth International Symposium on Autonomous Decentralized Systems, ISADS '07, March 21-23, 2007, Sedona, Arizona, USA
- Hinkelmann, K., Holzweißig, K., Magenheimer, J., Probst, F., Reinhardt, W. (2006): Linking Communities of Practice with Learning Communities in Computer Science Education. International Workshop on Informatics Education: Bridging the University/Industry Gap at the 19th World Computer Congress, Santiago, August 20-25, 2006
- Hinkelmann, K., Probst, F., Thönssen, B. (2006): Agile Process Management Framework and Methodology. AAAI Spring Symposium on Semantic Web Meets e-Government, Stanford University, March 2006
- Hinkelmann, K., Thönssen, B., Probst, F. (2006): Reference Modeling and Lifecycle Management for e-Government Services. AAAI Spring Symposium Semantic Web Meets e-Government, Stanford University, March 2006
- Hinkelmann, K.; Probst, F.; Thönssen, B. (2005): Explizierung von Prozesswissen auf der Basis von Ontologien. In: Althoff, K.-D., Dengel, A.; Bergmann, R.; Nick, M.; Roth-Berghofer T. (2005): WM2005 - Professional Knowledge Management. DFKI, Kaiserslautern
- Blessing, D.; Hinkelmann, K.; Schaufelbühl, K. (2005): Informations- und Wissensmanagement. In: Hugentobler, W.; Schaufelbühl, K.; Blattner, W. (2005) Integrale Betriebswirtschaftslehre. Orell Füßli Verlag. Siehe <http://www.bwl-online.ch>



- Hinkelmann, K.; Probst, F.; Stempf, B. (2004): KM-SISO - An Approach for Knowledge Management in Civil Engineering. In: Karagiannis, D. and Reimer, U. (Ed.): Proceedings of the 5th International Conference on Practical Aspects on Knowledge Management PAKM-04, Springer-Verlag.
- Abecker, A.; Apostolou, D.; Hinkelmann, K.; Probst, F.; Stojanovic, L.; Tambouris, T. (2004): Ontology-enabled E-Government Service Configuration - The OntoGov Approach. In: Wimmer, Maria A. (Ed.): e|Gov Days: state-of-the-art 2004. Tagungsband zu den dritten e|Gov Days des Forums eGovernment. Wien: OCG 2004
- Hinkelmann, K.; Karagiannis, D.; Telesko, R. (2002): PROMOTE - Methodologie und Werkzeug zum geschäftsprozessorientierten Wissensmanagement. In: Abecker, A.; Hinkelmann, K.; Maus, H.; Müller H.J. (Hrsg.): Geschäftsprozessorientiertes Wissensmanagement, Springer-Verlag.
- Abecker, A.; Hinkelmann, K.; Maus, H.; Müller H.J. (2002): Integrationspotentiale für Geschäftsprozesse und Wissensmanagement. In: Abecker, A.; Hinkelmann, K.; Maus, H.; Müller H.J. (Hrsg.): Geschäftsprozessorientiertes Wissensmanagement, Springer-Verlag.
- Abecker, A.; Bernardi, A.; Hinkelmann, K.; Sintek, M. (2002): Enterprise Information Infrastructures for Active, Context-Sensitive Knowledge Delivery. In: Stuart Barnes (ed.) Knowledge Management Systems: Theory and Practice. Thomson Learning, S. 146-160
- Liao, Minghong; Abecker, A.; Bernardi, A.; Hinkelmann, K. and Sintek, M. (1999): Ontologies for Knowledge Retrieval in Organizational Memories. Accepted for publication in: Workshop on Learning Software Organizations (LSO) at SEKE'99, Kaiserslautern, Germany. June 16 1999.
- Minghong Liao, Knut Hinkelmann, Andreas Abecker, and Michael Sintek. A Competence Knowledge Base System as Part of the Organizational Memory. In: Frank Puppe (ed.) XPS-99 / 5. Deutsche Tagung Wissensbasierte Systeme, Würzburg, Springer Verlag, LNAI 1570.
- Bernardi, A.; Hinkelmann, K.; Sintek, M. (1998): Information Systems in Knowledge Management - An Application Example. First International Conference on Practical Applications in Knowledge Management - PAKeM'98, London.
- Bernardi, A.; Hinkelmann, K.; Sintek, M. (1998): Model-based Information Systems for Knowledge Management. Jose J. Cuenca (Ed.): Proceedings of the IFIP Conference Information Technology and Knowledge Systems IT & KNOWS.
- Hinkelmann, K.; Weiss, W. (1997): Wissensmanagement - Pflege und Nutzung des intellektuellen Kapitals eines Unternehmens. In: A. Dengel, W. Schröter (Hrsg.): Flexibilisierung der Arbeitskultur, Talheimer Verlag, S. 163-186, September 1997.
- Hinkelmann, K.; Weiss, W. (1997): Unterstützung des Wissensmanagement durch ein Organizational Memory. Technologie & Management, 46. Jahrgang, Heft 1, Mai
- Hinkelmann, K.; Kaiser, M.; Kieninger, T.; Seidenschwann, K.; Weiss, W. (1996): HyperBraille - An Interdisciplinary Approach for an Intelligent Information System for Blind People. In: Interdisciplinary Aspects on Computers Helping People with Special Needs. 5th International Conference, ICCHP'96, R. Oldenburg, Wien, S. 283 - 290.
- Hinkelmann, K.; Kühn, O. (1995): Revising and Updating a Corporate Memory. In: EUROVAV-95, Proc. of the European Symposium on Validation and Verification of Knowledge-based Systems.
- Hinkelmann, K.; Hintze, H. (1994): Computing Cost Estimates for Proof Strategies. In: Dyckhoff, R. (Ed.): Extensions of Logic Programming, 4th International Workshop, ELP'93, St. Andrews, U.K., March 29 - April 1, 1993, Proceedings. LNCS 798 Springer 1994, pp. 152-170.
- Karagiannis, D.; Hinkelmann, K. (1994): Sharing of Very-Large Scale Knowledge Bases: A Rule-Selection Approach. In K. Fuchi, T. Yokoi (Eds.), Knowledge Building and Knowledge Sharing, Ohmsa Ltd., Tokyo.
- Hinkelmann, K. (1994): A Consequence-Finding Approach for Feature Recognition in CAPP. In: Seventh International Conference on Industrial and Engineering Applications of Artificial Intelligence and Expert Systems (IEA/AIE'94), Austin, Texas. Gordon and Breach Science Publishers, S. 2-11.



- Hinkelmann, K. (1992): Forward Logic Evaluation: Compiling a Partially Evaluated Meta-Interpreter into the WAM In: Ohlbach, H.-J.: GWAI-92: Advances in AI, LNAI671, Springer-Verlag.
- Hanschke, P. and Hinkelmann, K. (1992): Combining Terminological and Rule-Based Reasoning for Abstraction Processes. In: Ohlbach, H.-J.: GWAI-92: Advances in AI, LNAI671, Springer-Verlag.
- Hinkelmann, K.; Karagiannis, D. (1990): Vorgangsaspekte im Dienstleistungsbereich. In A. Reuter (Ed.), GI - 20. Jahrestagung II: Informatik auf dem Weg zum Anwender, S. 166-180. Springer-Verlag.

SELECTED PROJECTS

- OSSY – Office Support Systems; Lead project at FAW, September 1988 until January 1990
- ARC-TEC – Acquisition, Representation and Compilation of Technical Knowledge, funded by German Ministry of Research and Technology BMFT, Feb. 1990 until December 1994
- VEGA – Validierung und Exploration von Wissensbasen, gefördert vom Bundesministerium für Forschung und Technologie BMFT
- PASCAL 2000 – Development of an Information System for blind people, funded by Stiftung Rheinland-Pfalz für Innovation; research awarded in the Innovationswettbewerb 1996 des Landes Rheinland-Pfalz
- KnowMore – Knowledge Management for Learning Organisations; funded by German Ministry of Education and Research BMBF, April 1997 until September 1998
- PROMOTE - Process-oriented Methods and Tools for Knowledge Management, funded by the European Commission. October 2000 until September 2002
- KM-SISO: Feasibility Study for Knowledge Management in Tunnel Construction Project. Funded by softnet; project partner: SISO SA, Fribourg, October 2002 until October 2003
- OntoGov – Ontology-enabled e-Gov Service Configuration; funded by the European Commission IST-507237 and the Swiss Federal Office for Education and Science; April 2004 until June 2006
- FIT - Fostering self-adaptive e-government service improvement using semantic technologies; funded by the European Commission, IST-2004-27090, <http://www.fit-project.org/>, January 2006 until October 2008
- MATURE - Continuous Social Learning in Knowledge Networks, Integrated Project, funded by the European Commission, IST-216356, <http://mature-ip.eu>, since April 2008 until March 2012
- PLUG-IT - Business and IT Alignment using a Model-Based Plug-in Framework, funded by the European Commission, IST-231430, <http://plug-it-project.eu/>, March 2009 until February 2012
- APPRIS – Integrated Management and Information System for the efficient and effective dealing with Supply Risk, CTI Project
- LearnPAD - Model-Based Social Learning for Public Administrations, funded by the European Commission, Grant Agreement No 619583, started in February 2014

ACTIVITIES IN THE RESEARCH COMMUNITY

- Conference Chair
 - 4th International Conference on Methods, Technologies and Tools for E-Government MeTTeG10, 1./2. Juli 2010, Olten, <http://conferences.cs.unicam.it/metteg10/>
 - 5th Conference Professional Knowledge Management; 25.-27. März 2009, Solothurn, <http://www.km-conference2009.org>
- Co-Chair of International Conferences and Workshops
 - KES 2011 - 15th International Conference on *Knowledge-Based and Intelligent Information & Engineering Systems*, Kaiserslautern, Germany, 12-14 September 2011
 - AAAI 2011 Spring Symposium AI for Business Agility; 21-22 March 2011, Stanford University, California, <http://web.fhnw.ch/plattformen/ai4ba2011/>
 - 2nd International Workshop on Advanced Enterprise Architecture and Repositories AER2010 at the 12th International Conference on Enterprise Information Systems, 8 - 12 June, 2010 in Funchal, Madeira (Portugal)



- 1st Workshop on Advanced Enterprise Repositories AER2009 at the 11th International Conference on Enterprise Information Systems 6-10, May 2009, Milan, Italy
 - AAAI 2008 Spring Symposium AI meets Business Rules and Business Process Management; 24-26 March 2008, Stanford University, California, <http://www.fhnw.ch/iwi/aibr2008>
 - Semantics for Business Process and Product Lifecycle Management 2006, Workshop at the 4th European Semantic Web Conference (ESWC 2007), 7 June 2007, Innsbruck, Austria
 - TED Conference on e-Government: Enhancing Public Administration Back-Offices, April, 2007 in Poznan, Poland
 - Semantics for Business Process Management 2006, Workshop at the European Semantic Web Conference 2006 in Budva, Montenegro
- Reviewer for Journals
 - Member of Programme Committees of more than 60 International Conferences and Workshops

PHD SUPERVISION

- Daniela Wolff. Kontextsensitive Unterstützung wissensintensiver Geschäftsprozesse (Context-sensitive Support of Knowledge-intensive Business Processes). University of Oldenburg, September 2012
- Barbara Thönssen. Automatic, Format-independent Generation of Metadata for Documents Based on Semantically Enriched Context Information. University of Camerino, January 2013.

External Examiner of PhD theses at University of Camerino, University of South Africa, University of Pretoria and Cape Peninsula University of Technology.

MASTER THESES SUPERVISION

- 15 master theses in the MSc Business Information Systems at FHNW University of Applied Sciences and Arts Northwestern Switzerland
- 5 master theses in the dual degree programme of FHNW University of Applied Sciences and Arts Northwestern Switzerland University of Camerino
- one master thesis at the University of Vienna
- one master thesis at the University of Camerino

TEACHING

- FHNW University of Applied Sciences and Arts Northwestern Switzerland.
 - Bachelor of Science in Business Information Technology (Business Process Management, Knowledge Management, Information Retrieval and Knowledge Organisation)
 - Master of Science in Business Information Systems (Enterprise Architecture, Business Process Management, Knowledge Engineering and Knowledge Technologies, Research Methodology)
 - Continuous Education and Executive Programmes (Business Process Management, Information Management, Knowledge Management)
- University of Vienna, Austria
 - Bachelor of Science in Wirtschaftsinformatik, Master of Science in Wirtschaftsinformatik (Knowledge Management, Semantic Web, Business Intelligence)
- University of Camerino, Italy
 - Master of Science in Computer Science (Business Information Systems)



Curriculum Vitae

PERSONAL INFORMATION

Name	MILOŠEVIĆ, Milorad	Name in publications	M.V. Milošević or M.V. Milosevic
Date of birth	30 June 1977	Researcher ID	H-9393-2012
Civil status	Married, one child	Web site	www.impact-science.net
Nationality	Belgian		

EDUCATION

Oct.1995-Sept.2000	B.Sc.-M.Sc. Faculty of Electrical Engineering, Department of Physical Electronics, University of Belgrade, Serbia M.Sc. thesis: <i>Quantum Wire Lasers</i> (advisor Prof. M. Srećković)
Sept.1996-July 2000	Student / Research assistant Faculty of Physical Chemistry, University of Belgrade, Serbia
Sept.2000-July 2004	Ph.D. Department of Physics, University of Antwerp, Belgium Ph.D. thesis: <i>Vortex Matter in Superconductor-Ferromagnet Heterosystems</i> (advisor Prof. F. Peeters)

CURRENT POSITIONS

Oct. 2007-present **Professor (Hoogleraar)**, Department of Physics, University of Antwerp, Belgium
June 2014-present **Guest Professor (by appointment)** at University of Notre Dame, USA

PREVIOUS POSITIONS

<i>Aug.2004-Sept.2006</i>	Postdoctoral Fellow in Department of Physics, University of Antwerp
<i>June-July 2005</i>	Visiting Scholar at Federal University of Rio de Janeiro (UFRJ), Brazil
<i>March-April 2006; idem 2007</i>	Visiting Scholar at University of Notre Dame, Indiana, USA
<i>Oct. 2006-Sept. 2008</i>	Marie-Curie Research Fellow at University of Bath, Bath, UK
<i>Aug.-Sept. 2009,2010</i>	Visiting Researcher in Argonne National Laboratory, USA
<i>Dec. 2010-Feb. 2011; idem 2013; idem 2014</i>	Visiting Professor at Federal University of Pernambuco (UFPE), Brazil
<i>Dec. 2011-Nov. 2013</i>	Visiting Professor at Federal University of Ceará (UFC), Brazil
<i>Nov.-Dec. 2012; idem 2013; July 2016</i>	Visiting Lecturer at Université de Pierre et Marie Curie, Paris, France

FELLOWSHIPS and AWARDS

Sept.2000-July 2004 **Dehousse scholarship** (at the University of Antwerp, Belgium)
Oct. 2006-Sept. 2008 **Marie-Curie Individual Fellowship** (at University of Bath, Bath, UK)
Oct. 2007-present **Research Professorship**
Prize Frans Verbeure 2007 (Belgium)
Burgen Award of Academia Europaea 2010 (European)

SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

Previously advised 15 PhD students:

Golibjon Berdiyrov (graduated in 2007, UA, co-advisor with Prof. F. Peeters); **Ben Xu** (2011, UA, now Assistant Professor at Tsinghua Univ. in China); **Roeland Geurts** (2011, UA); **Shi-Hsin Lin** (2012, UND, co-advisor with Prof. B. Janko); **Paulo Duarte Neto** (2012, UFRPE, Brazil, co-advisor with Prof. B. Stosic); **Lucia Komendova** (2013, UA); **Diego Frota** (2015, UFC, Brazil, co-advisor with Prof. W. Ferreira); **Natalia Orlova** (2016, UA); **Davi Dantas** (2017, UFC, Brazil, co-advisor with Prof. A. Chaves); **Victor Fernandez-Becerra** (2017, UA); **Željko Jelić** (2017, UA); **Jonas Bekaert** (2018, UA); **Rodolpho Ribeiro Gomes** (2018, UFRJ, Brazil, co-advisor with Prof. M. Doria); **Dusan Stosic** (2018, UFPE, Brazil, co-advisor with Prof. T. Ludemir); **Darko Stosic** (2018, UFPE, Brazil, co-advisor with Prof. T. Ludemir).

Curriculum Vitae

Supervised postdocs:

Golibjon Berdiyrov (2007-2012); Arkady Shanenko (2009-2012); Lucian Covaci (2011-2014); Vladimir Baranov (Oct. 2014-Sept. 2016); Lingfeng Zhang (Oct. 2015-present).

Where are they now?

In academia	In institutes
Ben Xu Assistant Professor at Tsinghua Univ. in China	Golibjon Berdiyrov Research Leader Qatar Environment and Energy Research Institute
Shi-Hsin Lin Assistant Professor at Sun Yat-Sen Univ. in Taiwan	Roeland Geurts Researcher VITO (CleanTech Institute), Belgium
Paulo Duarte Neto Adjunct Professor at UFRPE, Brazil	Lucian Covaci Research Manager NANO CoE, Antwerp
Lucia Komendova Postdoc Uppsala, Sweden, on fellowship from Swedish Research Council	Dusan Stosic DevTec, NVIDIA
Diego Frota Adjunct Professor at UNIFOR, Brazil	Darko Stosic DevTec, NVIDIA
Davi Dantas Adjunct Professor at UNIFOR, Brazil	
Rodolpho Ribeiro Gomes Assistant Professor at UFRJ, Brazil	
Arkady Shanenko Professor at UFPE, Brazil	

Currently supervising 8 doctorates:

Jeroen Mulkers (started 2014, UA); **Belisa Rebeca de Aquino** (2014, UA); **Luca Flammia** (2014, UniCam, Italy, co-advisor with Prof. A. Perali); **Jesus David Gonzalez Acosta** (2016, UNC, Colombia, co-advisor with Prof. J. Barba Ortega); **Vagner Bessa** (2016, UFC, Brazil, co-advisor with Prof. A. Chaves); **Alfredo Vargas Paredes** (2016, UniCam, Italy, co-advisor with Prof. A. Perali); **Annelinde Strobbe** (2017, UA); **Rai Menezes** (2017, UFPE, Brazil, co-advisor with Prof. C. C. da Silva).

TEACHING ACTIVITIES	INSTITUTIONAL RESPONSIBILITIES
Bachelor level Numerical methods; Quantum mechanics	Coordinator of the International master in Nano and Material Physics (NANOMAT) at UA.
Master level Physics of low-dimensional systems	Erasmus coordinator , Department of Physics, UA
Surface physics	Member of the InterFaculty Doctoral Council, UA
Computational physics	Member of Educational Board for Physics, UA
Internships	Member of Internationalization Council of the Faculty of Sciences, UA

ORGANISATION OF SCIENTIFIC MEETINGS

Member of the steering committee: biannual *International Conference on Superconductivity and Magnetism* (over 1000 participants, in Turkey): ICSM 2010, 2012, 2014, 2016, 2018

Organizer of international meetings: conferences on *Multicomponent Superconductivity and Superfluidity*: MultiSuper 2012 (Lausanne, Switzerland), MultiSuper 2014 (Camerino, Italy), MultiSuper 2018 (ICTP, Trieste, Italy). Workshops: QVMS 2013 (Recife, Brazil) and SuperThin2017 (Lugano, Switzerland). Taken commitment to organize conference VORTEX2019 in Antwerp, Belgium.

COMMISSIONS OF TRUST

Referee for Nature Physics, Nature Communications, Nano Letters, Nanotechnology, Scientific Reports, Physical Review Letters, Physical Review B and E, Applied Physics Letters, Journal of Applied Physics, Journal of Physics – Condensed Matter, Chinese Physics Letters, Physica C, Journal of Low Temperature Physics, and Solid State Communications. **Editorial board member** of *Scientific Reports* and *Condensed Matter*. **Guest Editor** in *Superconductor Science and Technology*, *New Journal of Physics*. **Expert evaluator** for ERC, Belgian Science Policy (BELSPO), DFG Germany, Israel Science Foundation, Romanian National Research Council, French National Research Agency, Austrian Science Fund, Polish Science Centre, and Chinese Academy of Sciences.

Curriculum Vitae

SUMMARIZED SCIENTIFIC-TECHNOLOGICAL EXPERTISE

Theoretical nanophysics, in close connection to experimental efforts in the field, in collaboration with over 20 experimental labs worldwide. **High-performance computations** for condensed matter physics problems (in the past applied to superconductivity, magnetism, metal-semiconductor and soft-hard matter hybrids), including efficient (multigrid) solvers for multiple coupled nonlinear differential equations, GPU accelerated parallel computations, multiscale techniques, calculations of structural, electronic, vibrational, and transport properties of soft-hard matter atomic heterostructures, using LAMMPS, Quantum Espresso, AbInit, VASP, TranSiesta, home-made anisotropic Eliashberg solver for electron-phonon coupling and superconductivity, and Bogoliubov-deGennes and Ginzburg-Landau solvers for (static and dynamic) characterization of nanostructured superconductors.

BIBLIOGRAPHIC RECORD

Peer-reviewed publications

(Hirsch) *h*-index 30, 150 publications, 125 in high-profile journals in the past ten years (cited >3000 times, see graph for citations per year), out of which:

2 Nature Physics (IF 20.603) 1 Nature Communications (IF 11.417) 15 Phys. Rev. Lett. (IF 7.728)
6 Nature Sci. Rep. (IF 5.578) 3 New J. of Phys. (IF 3.671) 6 Appl. Phys. Lett. (IF 3.515)
54 Phys. Rev. B (IF 3.664) 4 Phys. Rev. A (IF 2.991) 2 Phys. Rev. E (IF 2.326)
4 Europhys. Lett. (IF 2.269)
2 book chapters

Edited 1 special issue of a journal

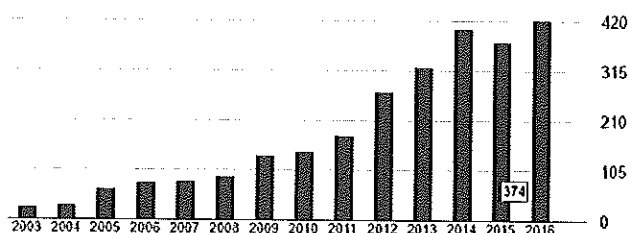
3 articles featured on the cover page of the journal

6 articles featured on popular science websites

Complete publication list and tabular summary of publications is available at:

<http://www.researcherid.com/rid/H-9393-2012>

Citations per year



MAJOR COLLABORATIONS

Prof. Milosevic has published nearly all his papers in international collaboration, and holds a very unique position in theoretical modelling and simulations of superconductivity and magnetism, which is witnessed by very successful and lasting collaboration with experimental labs of:

Prof. Simon Bending, Experimental Nanosciences group, University of Bath, UK

Prof. Victor Moshchalkov, Nanoscale Superconductivity and Magnetism, KULeuven, Belgium

Prof. Wai-Kwong Kwok, Materials Science Division, Argonne National lab, USA

Prof. Dimitri Roditchev, QuantumSpecs lab, INSP-UPMC-ESPCI, Paris, France

Prof. Eli Zeldov, Superconductivity Lab, Weizmann Institute, Israel

SELECTED INVITED TALKS

In the last ten years (out of 50 invited talks since 2002)

27/05-03/06/17	International Conference on Vortex Matter In Superconductors, Natal, Brazil	Multigap superconductivity in its 2D limit
24-28/10/2016	Latin American Conference on Superconductivity and Magnetism, Lima, Peru (plenary)	Vortex matter in superconductors, superfluids and magnetic materials: a smoking gun for emergent novel phenomena
14-17/09/2016	MACRO JQC conference, Newcastle, UK	Topological defects in multicomponent superfluids
04-07/09/2016	Nano confined superconductors and their application, Garmisch-Partenkirchen, Germany	Emergent phenomena in multiband superconductors: from first principles to macroscopic observables
24-30/04/2016	ICSM2016, Fethiye, Turkey	Stroboscopic dynamics in superconductors: fundamentals and applications
12-17/09/2015	Vortex matter in nanostructured superconductors, Rhodes, Greece	Magnetic properties of superconductors between standard types
12-18/06/2015	Superstripes 2015	Emergent phenomena in multiband superconductors
16-19/05/2015	Advances in Studies of Superconducting Hybrids: Theory and Modeling vs Experiment	Multiband hybridization in novel superconductors
10-15/05/2015	Vortex2015, El Escorial, Spain	Exotic vortex phenomenology in multiband superconductors

Curriculum Vitae

01-04/09/2014	Physics and Applications of Superconducting Hybrid Nano-Engineered Devices (SHyNeD)	Josephson loops in nanostructured superconductors
24-27/06/2014	Multisuper2014 conference	Fractional flux vortices and interband Josephson strings in multiband superconductors
04-07/05/2014	Advances in nanostructured superconductors: materials, properties and theory, Madrid, Spain	Giant paramagnetic response in critical superconductors
26-30/04/2014	ICSM2014, Antalya, Turkey	Fluxonics in two-component superconductors
03-08/11/2013	National Physics Conference of Brazil (plenary)	Types of superconductivity – the extended classification
13-18/10/2013	Coherent Hybrid Structures on the Mesoscale, Evanston, USA	Critical superconductors
21-26/09/2013	Vortex VIII, Rhodes, Greece	Crossover superconductivity
21-26/05/2013	14th International Workshop on Vortex Matter in Superconductors, Nanjing, China	Novel flux phases in multiband superconductors
14-18/05/2012	ENFMC2012, Aguas de Lindola, Brazil	Enhancement of superconductivity by magnetic nano-structuring
01-04/05/2012	ICSM2012, Istanbul, Turkey	Vortices in type-I superconductors
11-17/07/2011	SigmaPhi2011, Larnaca, Cyprus	Two-band superconductors in Ginzburg-Landau theory
03-07/05/2011	International Workshop on Mesoscopic Superconductivity & Vortex Imaging, Bath, UK	Detection and manipulation of multi-quanta vortices in superconductors: electronic, calorimetric and magnetic evidence
25-30/04/2010	ICSM2010, Antalya, Turkey	Vortex matter in two-band superconductors
20-28/09/2009	The ESF-NES Conference, Crete, Greece	Mesososcopic type-I superconductivity
25-29/09/2008	ICSM2008, Side, Turkey	(Anti)fluxonics in superconducting hybrids
15-17/09/2007	MP3 conference, Beijing, China	Arrays of nanoholes for enhancing superconductivity: perspectives for quantum logic applications
03-08/09/2006	MesoSuperMag conference, Chicago, USA	Novel phenomena in three-dimensional superconducting hybrids