



SCUOLA
ALTI STUDI
LUCCA

Decreto IMT Rep. n. 02312 (121) VII.16.24.04.18
Ufficio: Reclutamento, Amministrazione e
Gestione del Personale
Responsabile: Lara Bertoncini
Autore: Myriam Ros
Classificazione VII.16

IL DIRETTORE

VISTO lo Statuto di IMT Altì Studi, Lucca, emanato con Decreto n. 02715(206).I.2.20.09.11, pubblicato nella Gazzetta Ufficiale, Serie Generale, n. 233 del 6 ottobre 2011;

VISTO il Decreto Legislativo 30 marzo 2001, n. 165 in particolare l'articolo 7;

VISTA la circolare del Dipartimento della Funzione Pubblica num. 2/2008 in tema di collaborazioni esterne;

VISTA la legge 30 dicembre 2010 n. 240 "Norme in materia di organizzazione delle università, di personale accademico e reclutamento, nonché delega al Governo per incentivare la qualità e l'efficienza del sistema universitario";

VISTO l'articolo 1, comma 303, lettera a, della legge di bilancio per l'anno 2017 che stabilisce che i contratti di cui all'articolo 7, comma 6, del decreto legislativo 30 marzo 2001, n. 165, stipulati dalle università statali non sono soggetti al controllo preventivo previsto dall'articolo 3, comma 1, lettera f-bis), della legge 14 gennaio 1994, n. 20;

CONSIDERATA la nota del Prof. Rocco De Nicola del 8 aprile 2018, con la quale propone l'affidamento di un incarico di Visiting Professor al Prof. Kurt Geihs, Professore della University of Kassel, esperto in *Distributed Systems, self-adaptive software systems, teamwork of collaborative multi-robot systems, and management of service-oriented computing systems*, per un importo equiparabile al rimborso delle spese sostenute;

TENUTO CONTO che gli incarichi di Visiting Professor ricomprendono sia attività di ricerca, supervisione e tutoraggio allievi che seminari di ricerca, in particolar modo nel caso specifico delle *Research Unit SySMA – Systems Modelling and Analysis*, Track in *Computer Science and Systems Engineering* ;

ACCERTATA la disponibilità a bilancio sul capitolo di spesa CA.04.41.10.11;

DECRETA

Di conferire al Prof Kurt Gheis, nato in Germania il 29/04/1955, l'incarico di Visiting Professor con le seguenti specifiche:

Tipo di Contratto: contratto di lavoro autonomo

Data inizio: 07/05/2018 – **Data fine:** 06/07/2018

Oggetto del contratto: attività di ricerca per la Research Unit SySMA – Systems Modelling- nell'ambito *Distributed Systems, self-adaptive software systems, teamwork of collaborative multi-robot systems, and management of service-oriented computing systems*.

Compenso lordo (equiparabile a rimborso spese): € 600 (seicento/00)

(Allegato n. 1 Curriculum Vitae)

Lucca, 24/04/2018

Pietro Pettrini
Direttore
Scuola IMT Altì Studi Lucca

Motivation for a research visit to IMT SysMA

Prof. Kurt Geihs
Universitaet Kassel
EECS Department
Wilhelmshoeher Allee 73
D-34121 Kassel, Germany
Tel. +49 561 804 6275, Fax +49 561 804 6277
E-mail: geihs@uni-kassel.de

U N I K A S S E L
V E R S I T Ä T

Considering both the research focus of IMT's research group SysMA, led by Prof. Rocco de Nicola, and my technical background and current research interests in various aspects of collective adaptive systems, there is clearly a very substantial overlap in research interests. This should constitute an ideal research environment for a very fruitful mutual exchange of ideas and results. On the one hand, I hope to be able to contribute to IMT activities our expertise in areas such as the model-driven engineering of self-adaptive mobile applications, coordination of teams of autonomous systems, and service co-evolution. On the other hand, I expect that from working at IMT SysMA I would take home deeper insights into the validation and verification of self-adaptive multi-agent systems, as used in Smart City and autonomous driving scenarios. Thus, my visit could be a solid starting point for joint projects, publications, and workshop proposals.

Of course, during my visit I will be happy to give seminar talks about our research. Likewise, it would be a pleasure to invite IMT researchers to seminars and workshops at the University of Kassel and conferences in Germany.

Attachment: CV

Curriculum Vitae

Prof. Kurt Geihs

Address:

University of Kassel
EECS Department
Wilhelmshöher Allee 73
D-34121 Kassel / Germany
+49 561 804 6275

Phone:

E-Mail:

Web:

Citizenship:

Date of birth:

Education

Ph.D.

M.Sc.

Diplom

Employment

Sabbaticals and Research Visits

Research Interests

Grants (since 2001)

Publications

Awards and Honors

Teaching

Publications

Grants (since 2001)

Publications

Awards and Honors

Teaching

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Grants (since 2001)



Computer Science, RWTH Aachen, Germany, 1984, Advisor: Prof. Otto Spaniol
Computer Science, University of California at Los Angeles (UCLA), USA, 1981, Advisor: Prof. Wesley Chu
Informatic, Technical University Darmstadt, Germany, 1980, Advisor: Prof. Hisashi Kobayashi (Princeton University / Humboldt Fellow at TU Darmstadt)

Professor, Distributed Systems, EECS Department, Univ. Kassel, Germany
Professor, Intelligent Networks, Technical University Berlin, Germany
Professor, Distributed Systems, Johann Wolfgang Goethe-Universität, Frankfurt, Germany
Researcher, IBM European Networking Center, Heidelberg, Germany
Guest scientist, Lero – the Irish Software Research Centre, Limerick and Dublin, Ireland
Guest scientist, Fondazione Bruno Kessler, Trento, Italy
Guest scientist, SINTEF Research Lab and NTNU University, Trondheim, Norway
Guest scientist, University of Pretoria, South Africa
Sabbatical, University of Pretoria, South Africa
Sabbatical, Microsoft Research Center, Cambridge, United Kingdom
Assignment, IBM T.J. Watson Research Center, Yorktown Heights, USA

During the last five years my research focus was on three interlinked subject areas: 1) self-adaptive software, 2) teamwork of collaborative multi-robot systems, and 3) management of service-oriented computing systems. In research area 1 we develop middleware, methodology, and tools for the model-driven development of context-sensitive self-adaptive applications on mobile devices. This includes interdisciplinary research on the social embedding of technology. In research area 2 we focus on modeling and design support for achieving coordinated collaborative behavior in multi-robot teams. Application domains are robot soccer, where we participate in RoboCup tournaments, collaborative exploration of unknown territory, and collaborative autonomous vehicles. In research area 3 we concentrate on techniques and algorithms for self-managing service-oriented distributed computing systems. Our service composition solution has won a first and second place at the international Web Service Challenge competitions. Service co-evolution and adaptive mobile cloud computing are current focus topics. The three research areas are not treated isolated from each other but share technical solutions in a synergistic fashion.

More than 5 Million Euros funding for research projects since 2001 from the EU, German Research Foundation, German Ministry of Research and Technology, Hessian Ministry of Research and Arts, and industrial partners.

Kurt Geihs, CV

Teaching

Having taught courses since 1985 on a wide range of subjects at four German universities as well as at University of Pretoria and University of Maryland (Armed Forces Section in Germany).

Awards and Honors

2016 David Lorge Parnas Fellowship at Lero – the Irish Software Research Centre
2010-2014 Elected speaker of interdisciplinary Research Cluster VENUS, Universität Kassel
2007-2013 Appointed member of panel Computer Science, European Research Council (ERC)
2004 Alexander von Humboldt South African Research Award

Professional Activities

Regularly member of program committees of international and national conferences and workshops, the following list presents a selection of the last three years:

ACM/IEEE ICSE 2017, Buenos Aires, Argentina; ARM 2017, Las Vegas, USA; IEEE SASO, Arizona, USA; IFIP DAIS 2017, Neuchâtel, Switzerland; ACM SAC 2017, Marrakech, Morocco; GI/ITG Netsys 2017, Göttingen; ACM SAC 2016, Pisa, Italy; IFIP DAIS 2016, Heraklion, Greece; Germany: ACM/IEEE SEAMS 2016, Austin/TX, USA; IEEE SASO 2016, Augsburg, Germany; ACM/IEEE ICSE 2016, Austin, USA; MORSE 2016, Leipzig, Germany; ACM SAC 2015, Salamanca, Spain; IFIP DAIS 2015, Grenoble, France; ANT 2015, London, UK; GI/ITG Netsys 2015, Cottbus, Germany; ACM/IEEE SEAMS 2015, Florence, Italy; IEEE SASO 2015, Cambridge/MA, USA; DCIT 2015, Wuhan, China; SPLC 2015, Nashville/TN, USA; BIOT 2015 at IEEE COMPSAC 2015, Taichung, Taiwan

Regularly reviewer of project proposals for EU and many European research agencies as well as reviewer for international journals and conferences.

2014 Founding director of Scientific Center for Information Systems Design (ITeG), University of Kassel, Germany, <http://www.uni-kassel.de/eecs/iteg>

2014 ff. General Co-Chair, IEEE Intern. Workshop on Big Data Management for the Internet of Things (BIOT) at IEEE COMPSAC (together with H. Ochiai and S. Takeuchi)

2011 General Co-Chair, 5th IEEE Int. Conf. on Self-Adaptive and Self-Organizing Systems (SASO'11), Ann Arbor, Michigan, USA, <http://www.saso-conference.org/>

2010-2013 Elected speaker of Research Cluster VENUS, Universität Kassel, <http://www.uni-kassel.de/eecs/en/iteg/venus/venus.html>

2010-2014 Member of Steering Committee, IEEE International Conference on Self-Adaptive and Self-Organizing Systems (SASO), <http://www.saso-conference.org/>

2010-2013 Initiator and member of Steering Committee, ICSE Workshop on Software Engineering for Sensor Network Applications (SESENA), <http://www.sekena.info/>

2009 Co-Organiser of intern. Dagstuhl Seminar on Self-Healing and Self-Adaptive Systems, with A. Andrzejak (Univ. Heidelberg), O. Shehry (IBM Israel), J. Wilkes (Google), http://www.dagstuhl.de/no_cache/en/program/calendar/semhp/?semtxt=09201

2009 PC Co-Chair, 16th GI/ITG Conf. on Communications and Distributed Systems (KVS), Kassel, Germany

2007-2015 Member of panel Computer Science, European Research Council (ERC), <http://erc.europa.eu/>

2006 PC Co-Chair, 8th Int. Symposium on Distributed Objects and Applications (DOA), Montpellier, France, <http://www.cs.rmit.edu.au/infedconf/2006/index.html?page=doa2006cfdp>

2001-2012 Deputy chairman of SIG Communications and Distributed Systems, German Informatics Society, www.kuvs.de

1997- Initiator and member of Steering Committee IFIP International Conference on Distributed Applications and Interoperable Systems (DAIS), <http://daais.discotec.org/>

Publications

The total number of refereed publications is more than 200, including 22 books and book chapters as well as 34 journal publications. See also <http://scholar.google.de/citations?user=JsrZG2VAAAAJ&hl=de>

Kurt Geihs, CV

Curriculum Vitae

Prof. Kurt Geihs

Address:

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D-34121 Kassel / Germany
+49 561 804 6275

Phone:

E-Mail:

geihs@uni-kassel.de
www.uni-kassel.de/eeecs/fachgebiete/vs/team.html

Web:

German

Citizenship:

Date of birth: 29 April 1955

Education

Ph.D. Computer Science, RWTH Aachen, Germany, 1984, Advisor: Prof. Otto Spaniol
M.Sc. Computer Science, University of California at Los Angeles (UCLA), USA, 1981, Advisor: Prof. Wesley Chu
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2004– Professor, Distributed Systems, EECS Department, Univ. Kassel, Germany
2001–2004 Professor, Intelligent Networks, Technical University Berlin, Germany
1992–2001 Professor, Distributed Systems, Johann Wolfgang Goethe-Univ. Frankfurt, Germany
1985–1992 Researcher, IBM European Networking Center, Heidelberg, Germany
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2006 Guest scientist, University of Pretoria, South Africa
2004 Sabbatical, University of Pretoria, South Africa
2000 Sabbatical, Microsoft Research Center, Cambridge, United Kingdom
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