# EUROPEAN RESEARCH CENTER FOR INFORMATION SYSTEMS

# ERCIS

European
Research
Center for
Information
Systems

| PRACTICE | RESEARCH | EDUCATION |
| --- | --- | --- |

AUSTRALIA   AUSTRIA   BELGIUM   CZECH REPUBLIC   ESTONIA   FINLAND   FRANCE
GERMANY   IRELAND   ITALY   LIECHTENSTEIN   LITHUANIA   THE NETHERLANDS
NEW ZEALAND   NORWAY   POLAND   PORTUGAL   RUSSIA   SLOVENIA   SOUTH KOREA
SWEDEN   SWITZERLAND   UKRAINE   UNITED KINGDOM   UNITED STATES OF AMERICA

> *Prinzipalmarkt in Münster, Germany*

**DEAR READERS,**

The need for exchanging ideas and breaking new ground unites researchers from all over the world and in all disciplines. Since 2004, the European Research Center for Information Systems (ERCIS) has been providing a platform for internationally renowned researchers from the areas of Information Systems and neighboring disciplines for this purpose. The network of professionally and culturally diverse researchers provides a forum for the continuous exchange of interesting ideas and research cooperation opportunities. In addition, we strive to promote young IS researchers and prepare them for their future careers, be it academic or professional ones.

I am proud to be a part of this network and invite you to get to know the ERCIS and its members and activities on the following pages.

Yours,

Prof. Dr. Jörg Becker, Academic Director of the ERCIS

# THE ERCIS NETWORK

**EXCELLENCE, INTERDISCIPLINARITY, AND INTERNATIONALITY**

The ongoing transformation of society and organizations due to the growing impact of IT requires new ways of thinking and multidisciplinary approaches for finding solutions to the problems arising from these changes. The ERCIS has dedicated itself to dealing with these challenges through the collaboration and information exchange between research and practice. Therefore, it is important to have an interdisciplinary and global perspective. The ERCIS is a lively research network that consists of established research institutions in the area of Information Systems (IS). Through the co-operation of internationally renowned experts from the areas of Business Studies, Computer Science, IS, and IT Law, a high quality in applied research is ensured. Projects carried out by the ERCIS cover the entire spectrum, from fundamental research to application-oriented research.

For this, the advisory board provides valuable input. Furthermore, sustainability is guaranteed by transferring the research results into teaching. The ERCIS network offers regular Doctoral Consortia for PhD students as well as informal meetings at important conferences like the ERCIS@ ECIS (European Conference on Information Systems) meeting to stay connected with other members.

**ANNUAL WORKSHOP**

Our members meet once a year for several days at one of the partner institutions around Europe. We discuss current topics, introduce new members, plan joint research or teaching activities etc. These well-established meetings keep the network active and help to strengthen the ties between the members over the years. New members benefit from the friendly and welcoming environment, established members have the opportunity to bring themselves up-to-date. ERCIS workshops are like family meetings where we connect content-driven discussions with region-specific social events to get in touch with the local culture.

SOCIAL MEDIA

CLOUD COMPUTING

GREEN IT

E-HEALTH

ANALYTICS

CODING

PROCESS MODELING

GAMIFICATION

IT SECURITY

**VARIOUS RESEARCH TOPICS**

As an international research network in the field of Information Systems, we conduct research on a variety of research topics in this area. With members from all over the world, research projects and publications span from theoretical to application-oriented topics. Our members are all experts in different areas within the field of Information Systems. Thus, we are able to conduct large projects, where expertise from various domains is needed and a multidisciplinary approach is necessary to cover all aspects of a project.

*"To the University of Minho, the ERCIS network has brought many important opportunities for international collaboration and is a key element in strengthening the international reputation of the research and teaching in the Department of Information Systems. ERCIS has allowed us to find European partners for the projects and initiatives aligned with the strategy of the department and, more broadly, of the Portuguese community of Information Systems. The creativity and energy of our researchers and students find in ERCIS a privileged context for the scientific and technological developments that motivate them to seek excellence."*

*Prof. Dr. Isabel Ramos, University of Minho, Portugal*

AGENTS AND SERVICES  ARTIFICIAL INTELLIGENCE  BUSINESS INNOVATION  BUSINESS INTELLIGENCE  BUSINESS PROCESS INNOVATION  BUSINESS PROCESS MANAGEMENT  CHANGE MANAGEMENT AND IMPLEMENTATION  CLOUD COMPUTING  CLOUD SERVICES  COGNITIVE SCIENCE  COMPETITION LAW  CONCEPTUAL MODELING  CREATIVITY  CROWDSOURCING  CUSTOMER RELATIONSHIP MANAGEMENT  DATA MINING  DATA WAREHOUSING  DATABASE SYSTEMS  DECISION MAKING ANALYSIS  DECISION SUPPORT SYSTEMS  DIVERSITY  E-ASSESSMENT  E-BUSINESS  E-COLLABORATION  E-GOVERNMENT  E-HEALTH  E-LEARNING  E-COMMERCE  ENTERPRISE ARCHITECTURES  ENTERPRISE CONTENT MANAGEMENT  ENTERPRISE RESOURCE PLANNING  GREEN IS  ICT4D  INDUSTRY 4.0  INFORMATION MANAGEMENT  INTERNET ECONOMICS  INTERNET MARKETING  INTERORGANIZATIONAL SYSTEMS  IT STANDARDIZATION  IT STRATEGY  IT VALUE  IT CONTROLLING  IT LAW  KNOWLEDGE MANAGEMENT  LOGISTICS  MACHINE LEARNING  MANAGEMENT SCIENCE AND OPERATIONAL RESEARCH  MANAGEMENT TOOLS AND TECHNIQUES  MATHEMATICAL MODELING  MOBILE APPLICATIONS  NETWORK ECONOMICS  NETWORK RESEARCH  ONLINE ADVERTISING  ONLINE COMPETITOR ANALYSIS  OPTIMIZATION AND DECISION ANALYSIS  ONTOLOGIES  PARALLEL PROGRAMMING  PROCESS-ORIENTED GOVERNANCE, RISKS AND COMPLIANCE  PROJECT MANAGEMENT  REFERENCE MODELING  REQUIREMENTS ENGINEERING  RISK ANALYSIS  SERVICE RESEARCH  SIMULATION  SOCIAL MEDIA  SOFTWARE DEVELOPMENT  SOFTWARE ENGINEERING  SUPPLY CHAIN MANAGEMENT  SUSTAINABILITY  SYSTEMS INTELLIGENCE  TESTING  TRADEMARK LAW  TRANSACTIONAL SYSTEMS  USABILITY  WORKFLOW MANAGEMENT







**EU FUNDED PROJECTS**

Research conducted within the ERCIS network often involves several ERCIS partners from different partner institutions. The range of topics is broad, spanning the whole field of Information Systems. Over the last years we were extremely successful in raising EU-funding, be it within research frameworks like Horizon 2020 or Erasmus+, the EU's education programme.

# OUR NETWORK



## STRUCTURE

The ERCIS continued to grow over the last years and by now consists of more than 20 associated research partner institutions, several personal members, as well as diverse companies from industry serving on the advisory board. Most partner institutions come from European countries and we select them according to strict criteria and on recommendation of existing partner institutions. The active participation of each partner in the network activities is a requirement for ongoing membership, which we evaluate on a regular basis.

The board of directors in Münster heads the network, which is composed of one academic director and seven additional professors from various chairs and various fields of research. The Academic Director, Prof. Jörg Becker, is responsible for scientific coordination. The Managing Director, Dr. Armin Stein, is responsible for the practical organization of the network and supported by the ERCIS team. The companies on the advisory board come from different sectors, which guarantees the relevance of the network's research for practice. Regular meetings of the board of directors and the advisory board, as well as annual workshops with the associated partner institutions and the personal members ensure continuous, direct, and productive exchange. To show their commitment in the network activities, partner institutions take turns in hosting the annual workshop at their university.

Besides the individual research activities of the members, the network bundles research on specific topics in competence centers.

## COMPETENCE CENTER

As the Information Systems discipline covers a wide range of research topics, the ERCIS tries to focus on several distinct aspects bundled in ERCIS competence centers. The following Competence Centers are currently active in the ERCIS network:

» CONCEPTUAL MODELING
» CRISIS MANAGEMENT
» E-GOVERNMENT
» SERVICE SCIENCE
» SMARTER WORK
» SOCIAL MEDIA ANALYTICS

## PERSONAL MEMBERS

Since 2016, the ERCIS network occasionally also welcomes personal members, apart from associated partner institutions, advisory board members, and competence centers. They are dedicated researchers and experts in their field of research who have strong personal connections within the network.

**ADVISORY BOARD** ARVATO CRM SOLUTIONS · AVANTUM CONSULT AG · BISON SCHWEIZ AG · CHRIST JUWELIERE UND UHRMACHER SEIT 1863 GMBH · CLAAS KGAA MBH · DMI GMBH & CO. KG · HILTI CORPORATION · INFORMATIONSFABRIK (IN FAB) GMBH · IQ-OPTIMIZE SOFTWARE AG · JOHANNES J. RÄCKERS GMBH & CO. KG · LIDL STIFTUNG & CO. KG · OWNCLOUD GMBH · PICTURE GMBH · SAP DEUTSCHLAND SE & CO. KG · SARACUS CONSULTING GMBH · VODAFONE GMBH · WESTPHALIA DATALAB GMBH · ZEB.ROLFES.SCHIERENBECK.ASSOCIATES GMBH
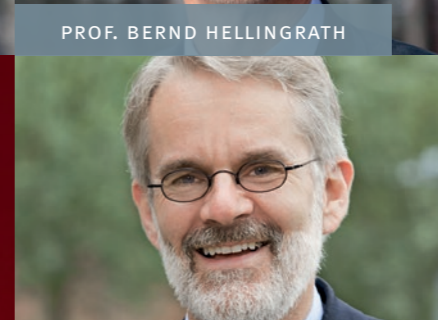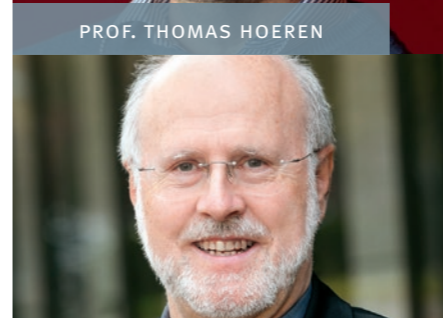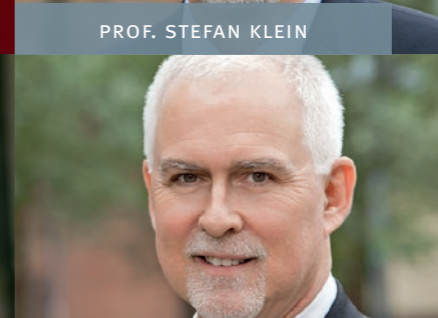
PROF. JÖRG BECKER

PROF. BERND HELLINGRATH

PROF. THOMAS HOEREN

PROF. STEFAN KLEIN

PROF. HERBERT KUCHEN

PROF. GOTTFRIED VOSSEN

PROF. MARTIN DUGAS

PROF. HEIKE TRAUTMANN

DR. ARMIN STEIN

**BOARD OF DIRECTORS**
UNIVERSITY OF MÜNSTER

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Logistics

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Information, Telecommunication and Media Law

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Practical Computer Sciences
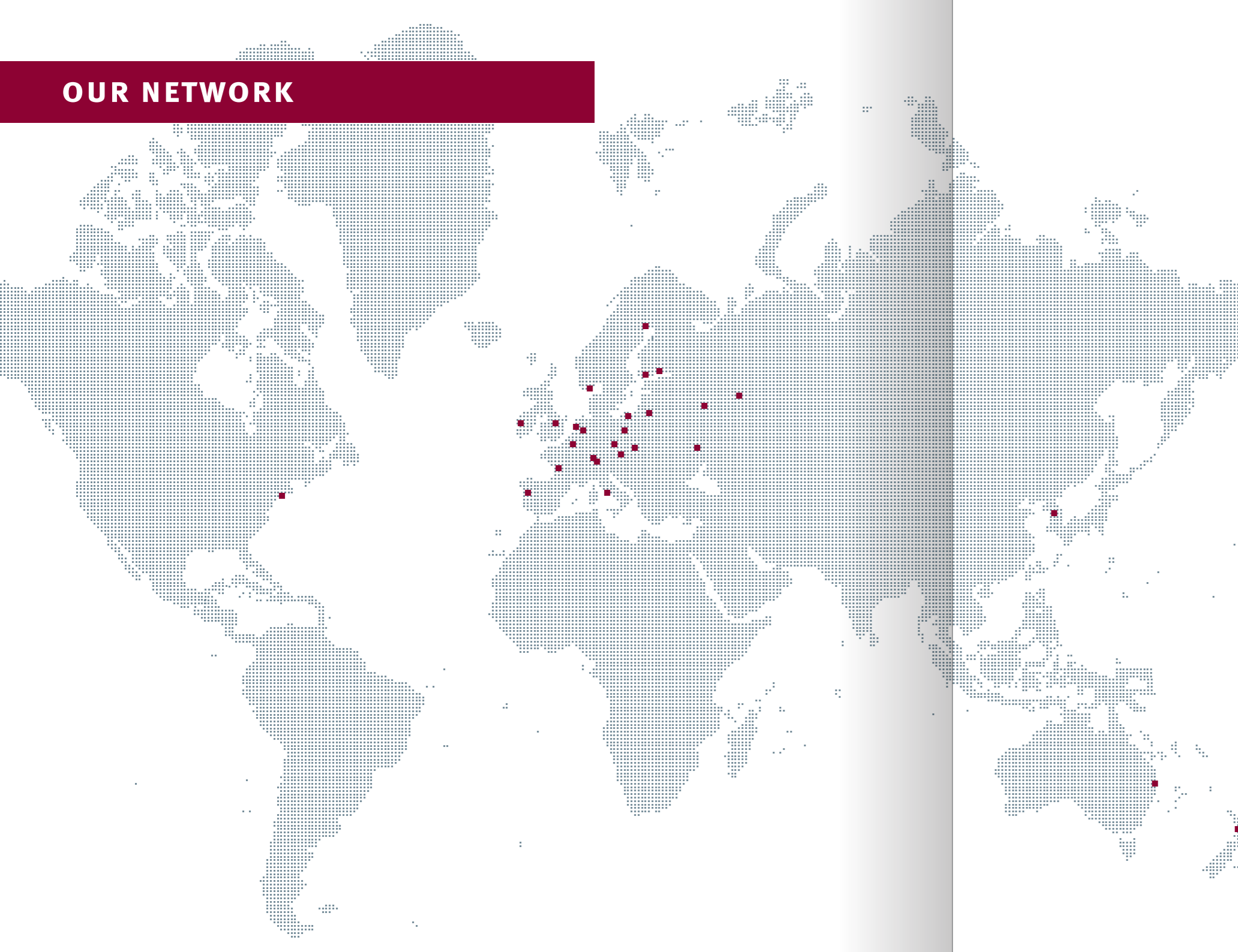
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Computer Sciences

**PROF. MARTIN DUGAS**
Medical Informatics

**PROF. HEIKE TRAUTMANN**
Information Systems and Statistics

**MANAGING DIRECTOR**
UNIVERSITY OF MÜNSTER

**DR. ARMIN STEIN**

# OUR NETWORK

**AUSTRALIA, BRISBANE**
Queensland University of Technology

**AUSTRIA, VIENNA**
Vienna University of Economics
and Business

**BELGIUM, LEUVEN**
KU Leuven

**CZECH REPUBLIC, PRAGUE**
Charles University in Prague

**ESTONIA, TALLINN**
Tallinn University of Technology

**FINLAND, TURKU**
University of Turku

**FRANCE, BORDEAUX**
KEDGE Business School

**IRELAND, GALWAY**
National University of Ireland Galway

**ITALY, ROME**
LUISS Guido Carli University

**LIECHTENSTEIN, VADUZ**
University of Liechtenstein

**LITHUANIA, KAUNAS**
Kaunas University of Technology

**NEW ZEALAND, HAMILTON**
University of Waikato

**NORWAY, KRISTIANSAND**
University of Agder

**POLAND, SOPOT**
University of Gdansk

**POLAND, WROCLAW**
Wroclaw University of Science
and Technology

**PORTUGAL, GUIMARÃES**
University of Minho

**RUSSIA, MOSCOW**
National Research University
Higher School of Economics

**RUSSIA, NIZHNY NOVGOROD**
National Research University
Higher School of Economics

**SLOVENIA, MARIBOR**
University of Maribor

**SOUTH KOREA, POHANG**
Pohang University of Science
and Technology

**SWEDEN, LULEÅ**
Luleå University of Technology

**SWITZERLAND, ST. GALLEN**
University of St. Gallen

**THE NETHERLANDS, ENSCHEDE**
University of Twente

**THE NETHERLANDS, LEIDEN**
Leiden University

**UKRAINE, KHARKIV**
Simon Kuznets Kharkiv National
University of Economics

**UNITED KINGDOM, LOUGHBOROUGH**
Loughborough University

**USA, HOBOKEN/NEW JERSEY**
Stevens Institute of Technology
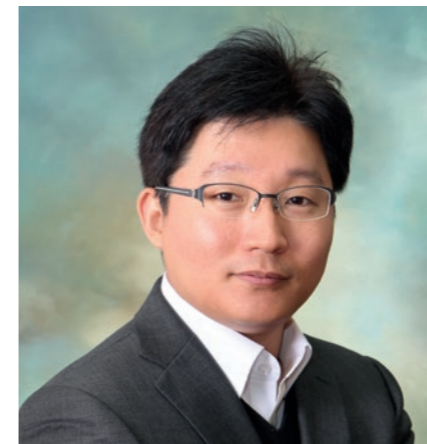
"To a non-European partner, ERCIS offers a very convenient access to the European IS community. I enjoy regularly welcoming researchers from within the ERCIS network, and, in turn, always feel welcome at the other partner institutions."

*Prof. Minseok Song, Pohang University of Science and Technology, South Korea*



"Regular informal events at important international IS conferences, like e.g. the ERCIS@ECIS meeting, help with staying in contact with the other ERCIS members during the year. Thus, we are a bit like a big family and looking for collaboration partners for research projects or teaching opportunities is easy if everyone knows each other."

*Prof. Tero Päivärinta, Luleå University of Technology, Sweden*



"Within ERCIS, I found people with exceptional creative abilities, high professional skills, and innovative ideas in research and education. Working together in two international projects since 2014, I met a lot of experienced professionals and experts in the field of Information Systems. It is a great opportunity for my colleagues and me to learn about the latest developments in our research area and keep abreast of major developments. However, most important for me is that we share opinions about common values, the spirit of trust and freedom, mutual understanding and support in our network. For me ERCIS is a space of opportunities, knowledge, and inspiration."

*Prof. Iryna Zolotaryova, Simon Kuznets Kharkiv National University of Economics, Ukraine*

### ERCIS FOR RESEARCH INSTITUTIONS

What sets ERCIS apart is the excellent collaboration between its members and the uncomplicated initiation of research projects. Its strengths are the personal ties between researchers, which makes ERCIS a vibrant network, as well as the wide range of different disciplines and national perspectives on IS research. Annual workshops and regular meetings during conferences and conventions ensure the exchange of knowledge. The search for suitable partners for international joint research projects is facilitated through the research and industry contacts of the individual members. The international visibility of every single partner is increased by its membership in the ERCIS network.

# PRACTICE-ORIENTED RESEARCH

**ERCIS FOR BUSINESSES**

The active involvement of the advisory board supports the relevance and practical application of the research carried out by the ERCIS network. The advisory board consists of companies from various industries and covers a wide range of applications. The current research need from practice is identified through regular meetings with the advisory board and possible future research projects are formulized. In order to maintain the relationship to practice within a project, the advisory board members are regularly involved in research projects as application partners. Furthermore, the bachelor or master theses written by students at the advisory board companies permit the work on current scientific topics with a direct practical application. In return, the advisory board participates in guest lectures and workshops, providing valuable input for students and ERCIS researchers.



*"We've developed really strong ties between Arvato CRM Solutions and the ERCIS network over the last few years. The foundation of the ERCIS Omni-Channel Lab is just one example of our many joint initiatives. The Lab combines the academic research and teaching of ERCIS and Arvato's practical experience of delivering tech-enabled customer service solutions across all channels for many of the world's leading brands. Being part of the ERCIS Advisory Board gives us the opportunity to ensure the practical relevance of ERCIS research, contribute to teaching and co-innovate with experts in the areas of service science, technology, advanced analytics, social and machine learning."*

*Karsten Kraume. CSO/CIO at Arvato CRM Solutions*

# FROM RESEARCH TO TEACHING

*"ERCIS offers a huge variety of teaching opportunities, be it on an undergraduate, graduate or post-graduate level. For bachelor undergrads, working with fellow students from around the world provides a great inter-cultural experience. PhD students benefit from discussions with scholars of different backgrounds and from different domains. Working with them is great fun!"*

Prof. Sara Hofmann, University of Bremen,
Germany

*"The setting of the ERCIS Doctoral Consortium 2018 made it possible to have many great discussions with the faculty and the PhD students throughout the week, and the location could not have been better. Not only did I get valuable insights on how to shape and improve my dissertation further, but I also learned the secrets of sailing and how to master a 'Galeon' on the sea."*

Roope Jaakonmäki, PhD student,
University of Liechtenstein

### EDUCATION –
### ERCIS FOR STUDENTS

Although the ERCIS network is a research network by name, PhD students, and young researchers benefit from the research collaborations in the network. Many of our partner universities offer exchange programs that last one or two semesters so students can acquire international experience. Because of the personal contacts among lecturers, courses that students attend at another ERCIS university are usually recognized at their home university.

In addition, joint lectures and seminars organized by several ERCIS members provide students with further international experience. For instance, the University of Liechtenstein regularly offers a BPM Winter School for undergraduate students, the University of Münster offers virtual seminars for graduate students. Guest talks by ERCIS lecturers also contribute to the internationalization of teaching. In addition, students of ERCIS institutions can write their theses at one of the international partner universities.

Furthermore, the network's advisory board consists of companies that contribute a business perspective to research and education. These companies offer students practical experience, including internships and opportunities to write their theses in cooperation. Students can gain further insights into international business by attending project seminars with international partners. ERCIS supports students who are starting their careers with access to job offers from its research and industry partners.

For PhD students, the ERCIS offers regular PhD seminars with faculty from different ERCIS partner institutions to guarantee a broad perspective on the discussed dissertation topics (like our Doctoral Consortium 2018 in Spain, see left). In addition, PhD students may visit partner institutions to gain international experience and to get different views and new insights on their research topic.

## OUR VISION

- **WE ARE A LIVELY & PASSIONATE COALITION OF WELL-ESTABLISHED RESEARCH INSTITUTIONS.**

- **WE CONDUCT RESEARCH INTERNATIONALLY. TOGETHER!**

- **WE CONDUCT RESEARCH ON RELEVANT SCIENTIFIC AND PRACTICAL ISSUES.**

- **WE EXCEL THROUGH PROFESSIONALISM IN ALL AREAS.**

- **WE ARE KNOWN AS THE LEADING EUROPEAN NETWORK IN IS RESEARCH.**

## ERCIS TEAM



*Miriam Epke, Armin Stein, Katrin Bergener*

For everything that concerns the ERCIS network simply write us an email. You will for sure get an answer from one of our team members. The team consists of Dr. Armin Stein, who is the managing director of the ERCIS network and is being supported by Dr. Katrin Bergener, who works part-time for the team and furthermore as Coordinator for the WWU Centre for Europe, and Miriam Epke.

Besides answering emails, we help organizing events, maintaining the website, supporting the network communication, and setting up consortia for project applications.

If you are interested in the network, get in touch with us!

*info@ercis.org*

# THE IS RESEARCH NETWORK –
## LET'S STAY IN TOUCH

**ERCIS**
European
Research
Center for
Information
Systems

**WWU**
MÜNSTER

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