

17th International Conference on Knowledge Management 2022

“Knowledge, Uncertainty and Risks: From individual to global scale”

Potsdam, 23-24 June 2022



organized & hosted by



FH;P Fachhochschule Potsdam
University of
Applied Sciences
Department Information Sciences

supported by



Contact: 17ickm-potsdam@fh-potsdam.de

Final Program

All times are Central European Summer Time (CEST / UTC+2)

www.timeanddate.de

Venue:

Fachhochschule Potsdam – University of Applied Sciences
Kiepenheuerallee 5 – 14469 Potsdam
Haus / Building D

Public transport stop: Campus Fachhochschule – Tram Line 92 / 96

Wednesday, 22nd June 2022 – Haus / Building 3

16:00	Informal reception & Welcome
16:30	Knowledge Management – Sharing of Experiences Facilitated by the host of the ICKM 2022 Peter Heisig, FHP
17:30	Networking with Snacks and Drinks
18:30	End of informal reception

Thursday, 23rd June 2022 – Haus / Building D

8:30	Welcome & Opening Session
9:00	Keynote Speech A
10:30	Parallel Sessions: Academic tracks & workshops
12:00	Lunch break – Opportunity to view posters - Building HG Mensa
13:00	Parallel Sessions: Academic tracks & workshops
15:00	Knowledge Camp
18:00	Conference Dinner – BBQ

Friday, 24th June 2022

8:30	Welcome & Opening Session
9:00	Keynote Speech B
10:30	Parallel Sessions: Academic tracks & workshops & Practitioner track
12:00	Keynote Speech C
13:00	Lunch break - Building HG Mensa
14:00	Poster Session
15:00	Parallel Sessions: Academic tracks & workshops & Practitioner track
16:30	Outlook at Public Event with Potsdam City & ICKM 2023

Saturday, 25th June 2022

13:30	Potsdam City: A discussion on knowledge/science city development Different location: Wissenschaftsetage Potsdam, Am Kanal 47, 14467 Potsdam https://www.potsdam.de/wissenschaftsetage-im-bildungsforum-potsdam Register via: roundtable@gfwm.de or at the conference venue.
15:15	Knowledge City Tour sponsored by the City of Potsdam (max. 50) – 2 hrs

China	Indonesia	Ethiopia	Europe	Ghana	Brazil	Canada	USA
18:00	17:00	13:00	12:00	10:00	7:00	7:00	5:00
+6	+5	+1	0	-2	-5		-7

Photos on cover
by Heisig

Palace Cecilienhof
Glienicke Bridge

Palace Sanssouci
Campus Fachhochschule

Dutch Quarter
Einstein Tower

Program Overview

Thursday, 23 rd June 2022 – Haus / Building D				
8:00	Welcome desk open			Foyer D
8:30	Welcome & Opening Session			D 011
9:00	Keynote Speech A			
10:00	Coffee break			Foyer Haus / Building D
10:30	Parallel Sessions: Academic tracks & workshops			
	KM I D 011	Big Data D 108	Medical KM D 106	K4DP D 119
12:00	Lunch break			Mensa / Building HG
13:00	Parallel Sessions: Academic tracks & workshops			
	KM II D 011	Info Eng. D 108	Inno. Design D 106	DGI D 119
				WS I D 116
14:30	Coffee break			Foyer Haus / Building D
15:00	Knowledge Camp			D 011
18:00	Conference Dinner			
	Haus / Building HG – Mensa & Garden			

Program Overview

Thursday, 23.6.2022 Time 8:30 – 10:00

Venue/Room **D 011**

Chair *Peter Heisig, University of Applied Sciences Potsdam, Germany*

8:30

Opening & welcome

Welcome to Potsdam & University of Applied Sciences

Tobias Schröder, Vice-President Teaching & Learning

Ellen Euler, Head of Department of Information Sciences

Welcome by General ICKM Conference Chair

Suliman Hawamdeh, University of North Texas, USA

Welcome by host

Peter Heisig, University of Applied Sciences Potsdam, Germany

9:00

KEYNOTE A



ONLINE

Conventional and systemic Risks: Implications for individual and societal governance

Prof. Dr. Dr. Ortwin Renn, Scientific Director at the Institute for Advanced Sustainability Studies (IASS) in Potsdam, Germany

Ortwin Renn is scientific director at the International Institute for Advanced Sustainability Studies (IASS) in Potsdam (Germany) and professor for environmental sociology and technology assessment at the University and Stuttgart. He also directs the non-profit company DIALOGIK, a research institute for the investigation of communication and participation processes. Renn is Adjunct Professor for “Integrated Risk Analysis” at Stavanger University (Norway), Honorary Professor at the Technical University Munich and Affiliate Professor for “Risk Governance” at Beijing Normal University. His research interests include risk governance (analysis perception, communication), stakeholder and public involvement in environmental decision making, transformation processes in economics, politics and society.

Ortwin Renn has a doctoral degree in social psychology from the University of Cologne. Renn is a member of the German National Academy of Sciences “Leopoldina”, the Berlin-Brandenburg Academy of Sciences (Berlin), and of the Board of Directors of the German National Academy of Technology and Engineering (Acatech). His most prominent English publication is the book “Risk Governance. Coping with Uncertainty in a Complex World (London: Earthscan 2008).

Program Overview

Knowledge Camp

Thursday, 23.6.2022 Time 15:00 – 17:30

Venue/Room **D 011**

Facilitated by *Andreas Matern, Board Member of the Association of Knowledge Management (Austria & Germany), Berlin, Germany
Member of the ICKM Local Organizing Committee*

15:00

The concept of the **KnowledgeCamp** is that of a BarCamp. A BarCamp is a knowledge-oriented conference format that adapts to the interests of all participants as much as possible: the final agenda is set on the day of the event along a central theme – in case of the ICKM 2022 "*Knowledge, Uncertainty and Risks*" – depending on the interests of the participants!

Each session that is offered will be briefly introduced and each proposal will be ad-hoc evaluated by the audience as to whether a sufficient number of attendees are interested in the proposed topic. Only those sessions will be carried out which receive a sufficient number of delegates interest. The result is an agenda that optimally suits the needs of the participants.

15:30 – 16:15

Round ONE – all conference rooms Haus D

<i>Theme</i>	<i>A</i>	<i>B</i>	<i>C</i>	<i>D</i>	<i>E</i>	<i>F</i>
<i>Room</i>	<i>D011</i>	<i>D105</i>	<i>D106</i>	<i>D108</i>	<i>D116</i>	<i>D119</i>

16:30 – 17:15

Round Two – all conference rooms Haus D

<i>Theme</i>	<i>G</i>	<i>H</i>	<i>I</i>	<i>J</i>	<i>K</i>	<i>L</i>
<i>Room</i>	<i>D011</i>	<i>D105</i>	<i>D106</i>	<i>D108</i>	<i>D116</i>	<i>D119</i>

Conference Dinner – BBQ

Thursday, 23.6.2022 Time from 18:00

Venue/Room **HG Mensa Garden**

18:00

Welcome to the University of Applied Sciences Potsdam

*Eva Schmitt-Rodermund, President of the University
Greetings from representatives of supporting and participating Organizations*



Program Overview

Track - Knowledge Management I

Thursday, 23.6.2022 Time 10:30 - 12:15

Room **D 011**

Chair *Maria Jakubik, Ronin Institute, USA and University of Pécs, Hungary*

- 10:30 **Level of Adoption and Use of KM Practices in Supply Chains (68)**
Tomas Cherkos Kassaneh, University of Padua, Italy
Ettore Bolisani, University of Padua, Italy
Enrico Scarso, University of Padua, Italy
Juan Gabriel Cegarra Navarro, Universidad Politecnica de Cartagena, Spain
- 10:55 **First Observations from an Analysis of KM Job Adverts from English-Speaking Countries and Germany (74)**
Peter Heisig, University of Applied Sciences Potsdam, Germany
Günther Neher, University of Applied Sciences Potsdam, Germany
- 11:20 **Soft Skills Development in Knowledge Management (59)**
Kendra Albright, Kent State University, USA
Albina Krymskaya, Saint Petersburg State University of Culture, Russia
- 11:45 **Analysis of knowledge risks identified in the Brazilian Space Program: A methodological framework for verification & mitigation of risks in the light of knowledge governance (45)**
Joao Sérgio Beserra de Lima, Universidade de Brasília, Brazil
Lillian Maria Araujo de Rezende Alvares, Universidade de Brasília, Brazil
Rodrigo Leonardi, Brazilian Space Agency, Brazil

Track – Knowledge Management II

Thursday, 23.6.2022 Time 13:00 – 14:45

Room **D 011**

Chair *Kendra S. Albright, Ph.D., Goodyear Endowed Professor in Knowledge Management, Kent State University, United States of America*

- ONLINE**
 13:00 **Organizational memory in the startup deployment phase (29)**
Firmansyah David, Padang Institute of Technology, Indonesia
Dede Wira Trise Putra, Padang Institute of Technology, Indonesia
- 13:25 **Comparing knowledge management and wisdom management (6)**
Maria Jakubik, Ronin Institute, USA and University of Pécs, Hungary
- 13:50 **Knowledge externalization in the process of building project knowledge management system – a case study of a public organization (72)**
Kamila Brodzińska, Jagiellonian University in Kraków, Poland
- ONLINE**
 14:15 **Are we missing the importance creativity in knowledge management? (56)**
Paul Laughton, University of Pretoria, South Africa

Program Overview

Track – Big Data

Thursday, 23.6.2022 Time 10:30 - 12:00

Room **D 108**

Chair *Christian Stary, Johannes Kepler University, Austria*

10:30 **Prediction of concrete bridge deck conditions based on climate data in addition to bridge data: five states as a case study (53)**
Fariba Fard, University of North Texas, United States of America

ONLINE 11:00 **Stock2vec: an embedding to improve predictive models for companies (55)**
Ziruo Yi, University of North Texas, United States of America
Ting Xiao, University of North Texas, United States of America
Kaz-Onyeakazi Ijeoma, University of North Texas, United States of America
Ratnam Cheran, University of North Texas, United States of America
Yuvraj Baweja, University of North Texas, United States of America
Phillip Nelson, University of North Texas, United States of America

11:30 **Application of Big Data Analytics in Precision Medicine: Lesson for Ethiopia (61)**
Misganaw Tadesse, Jimma University, Ethiopia
Daniel Gelaw Alemneh, University of North Texas, United States of America

Track - Information Engineering

Thursday, 23.6.2022 Time 13:00 – 14:30

Room **D 108**

Chair *Tereza Merlo, University of North Texas, United States of America*

13:00 **Using Data Visualization Tools to Mitigate the Influx of Information in Organizations (38)**
Tereza Merlo, University of North Texas, United States of America

ONLINE 13:30 **Metadata Practices of Academic Libraries in Kuwait, Oman, and Qatar: Current State, Risks, and Perspectives for Knowledge Management (49)**
Oksana Zavalina, University of North Texas, United States of America
Saleh Aljalalman, Public Authority for Applied Education and Training, Kuwait

14:00 **An Ontology and a reasoning approach for Evacuation in Flood Disaster Response (64)**
Julie Bu Daher, IRIT, Université de Toulouse, CNRS, Toulouse INP, UT3, France
Tom Huygue, IRIT, Université de Toulouse, CNRS, Toulouse INP, UT3, France
Patricia Stolf, IRIT, Université de Toulouse, CNRS, Toulouse INP, UT3, UT2, France
Nathalie Hernandez, IRIT, Université de Toulouse, CNRS, Toulouse INP, UT3, UT2, France

Program Overview

Track - Medical Knowledge Management

Thursday, 23.6.2022 Time 10:30 – 12:00

Room **D 106**

Chair *Suliman Hawamdeh, University of North Texas, USA*

10:30 **Psychiatric disorders among opioid dependents: socioeconomic and gender difference (13)**

Yong-Mi Kim, University of Oklahoma, United States of America

ONLINE 11:00 **Increasing Information Certainty for Post-traumatic Growth (34)**

Nicole Bank, University of North Texas, United States of America

Jeff Allen, University of North Texas, United States of America

11:30 **Learning to Support Computable Biomedical Knowledge (CBK) (71/81)**

Deborah Swain, School of Library and Information Sciences, NCCU, United States of America

Christopher Cunningham, School of Library and Information Sciences, NCCU, United States of America

Track – Innovative Designs

Thursday, 23.6.2022 Time 13:00 – 14:30

Room **D 106**

Chair *Joyline Makani, Dalhousie University Halifax, Nova Scotia, Canada*

13:00 **Organizations as Quantum: A New Metaphor for Analyzing Organizational Behavior (17)**

Stefan Holtel, PricewaterhouseCoopers, Germany

13:30 **From digital Twins to Digital Selves and Beyond – Perspectives for Social Modeling in a Trans-Humanist World (18)**

Franz Barachini, Vienna University of Technology, Austria

Christian Stry, Johannes Kepler University, Austria

14:00 **Research Teams: Fostering Scholarship & Practice (14)**

Jeff Allen, University of North Texas, USA

Amy Rosellini, University of North Texas, USA

Malak Khadar, University of North Texas, USA

Millicent Njeri, University of North Texas, USA

Program Overview

Track - Knowledge for Development Partnership

Thursday, 23.6.2022 Time 10:30 – 12:00

Room **D 119**

Chair *Andreas Brandner, K4DP (Knowledge for Development Partnership), Austria*

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|-------|--|
| 10:30 | The Agenda Knowledge for Development and its implementation
<i>Andreas Brandner, K4DP, Austria</i>
<i>Sarah Cummings, K4DP, Netherlands</i>
<i>Mary Suzan Abbo, K4DP, Uganda</i> |
| 10:45 | Localizing Knowledge Management with country knowledge programming in the Asia and Pacific Region (75)
<i>Susann Roth, ADB (Asian Development Bank), Philippines</i>
<i>Mary Jane Carangal-San Jose, ADB, Philippines</i>
<i>Vivek Raman, ADB, Philippines</i> |
| 10:55 | Sectoral Knowledge Management: The KM for Agricultural Development Agenda
<i>Benjamin Abugri, FARA (Forum for Agricultural Research in Africa), Ghana</i> |
| 11:05 | The Knowledge Management for Development Framework and KM4D Award
<i>Andreas Brandner, K4DP, Austria</i>
<i>Sarah Cummings, K4DP, Netherlands</i>
<i>Chris Zielinski, University of Winchester, United Kingdom</i> |
| 11:15 | Knowledge Preparedness and National Emergency Plans (73)
<i>Chris Zielinski, University of Winchester, United Kingdom</i> |
| 11:30 | The Future of Knowledge Management for Sustainable Development
<i>Panel Discussion</i> |

Track - Deutsche Gesellschaft für Information und Wissen

Thursday, 23.6.2022 Time 13:00 – 14:30

Room **D 119**

Chair *Monika Hagedorn-Saupe, President Deutsche Gesellschaft für Information und Wissen, Germany*

Intercultural perspectives on Information Literacy - a report on a transnational project to foster information literacy

Joachim Griesbaum, Stiftung Universität Hildesheim, Institut für Informationswissenschaft und Sprachtechnologie, Germany

Semantic networks and knowledge management – context does the trick

Katharina Munk, Klarso GmbH, Germany

In the end, it's about people – knowledge organization at Lilly Pharma

Ingrid Weber, Lilly Deutschland GmbH, Germany

The DikoLa Project - Examples of innovative formats of knowledge transfer in teacher education

*Katharina Heider, Martin-Luther-Universität Halle-Wittenberg, Zentrum für Lehrer*innenbildung, Germany*

Program Overview

Workshop I - Workgroup KM Certification (ISO 30401/DIN SPEC 91443)

Thursday, 23.6.2022 Time 13:00 – 14:30

Room **D 116**

Facilitated by *Kay Alwert, alwert GmbH & Co. KG, Germany*
Manfred Bornemann, Intangible Assets Consulting GmbH, Austria
 54/60 *Holger Kohl, Fraunhofer Institute Fraunhofer-Institut für Produktionsanlagen und Konstruktionstechnik IPK, Germany*
Ronald Orth, Fraunhofer Institute Fraunhofer-Institut für Produktionsanlagen und Konstruktionstechnik IPK, Germany
Markus Will, Fraunhofer Institute Fraunhofer-Institut für Produktionsanlagen und Konstruktionstechnik IPK, Germany

New standards (ISO 30401 and DIN SPEC 91443) provide new momentum for knowledge management initiatives. Certification becomes a priority to demonstrate KM-proficiency on an organizational level to external partners (customers, suppliers, future employees) as well as to create a sense of urgency within organizations, in particular among organizational leadership.


In this workshop, a joint working group of two independent communities and a research organisation, the Association of Knowledge Management for German speaking countries and the Federal Association of Intellectual Capital Statements e.V. presents the framework of DIN SPEC 91443 which was designed specifically for SMEs to operationalize the KM requirements of ISO 30401.

The general objective of the workshop is to reflect on suitability of various instruments of KM, in particular the Intellectual Capital Statement – Made in Germany, to deliver on the standards requirements. Looking at some practical cases, an early-stage concept of auditing structures and procedures will be discussed. As a result of the workshop, the organizers aim to propose an auditing framework to certify knowledge management systems as a follow up.

Program Overview

Friday, 24 th June 2022 – Haus / Building D					
8:00	Welcome desk open				Foyer D
8:30	Welcome & Opening Session				D 011
9:00	Keynote Speech B				
10:00	Coffee break				Foyer Haus / Building D
10:30	Parallel Sessions: Academic tracks & workshops				
	Practitioner I	KM & Learning	Text Analytics I	Panel I	
	D 011	D 108	D 106	D 119	
12:00	Keynote Speech C				D 011
13:00	Lunch break				Mensa / Building HG
14:00	Poster Session & Coffee				D 011
15:00	Parallel Sessions: Academic tracks & workshops				
	Practitioner II	KM III	Text Analytics II	Panel II	WS II
	D 011	D 108	D 106	D 119	D 116
16:30	Next Steps: Public Event with Potsdam City & ICKM 2023				D 011
10:30 – 16:30	New Club of Paris – Knowledge Café				D 228

Program Overview

Friday, 24.6.2022		Time 8:30 – 10:00	Room D 011
	Chair	Peter Heisig, University of Applied Sciences Potsdam, Germany	
8:30	Opening & welcome <i>Welcome by ICKM Council Chair</i> <i>Christian Stary, Johannes Kepler University Linz, Austria</i> <i>Welcome by Conference Co-Chair</i> <i>Waltraut Ritter, Co-Chair ICKM 2022, Germany</i>		
9:00	KEYNOTE B		
		<i>Understanding risk under conditions of inherent uncertainty</i> <i>Dave Snowden</i> , Director & Founder – The Cynefin Centre Cognitive Edge, UK	
		<p>In this presentation he will draw on the EU field guide to example questions how we measure and manage risk under conditions of inherent uncertainty where our predictive capacity is limited. He will explore key ideas from the field guide, including the use of human sensor networks for weak signal detection and the generation of anticipatory triggers to draw human attention to outliers that they would normally ignore.</p> <p>Snowden is the founder of one of the five schools of sense-making, and takes an approach which draws heavily on natural science, in particular complex adaptive systems theory, cognitive neuroscience and the biological end of anthropology. He is the creator of the Cynefin framework and lead author of the recently published EU Field Guide to managing complexity (and chaos). He is the author of Complex Acts of Knowing which is in the top ten of cited papers in knowledge management and is a visiting Chair at the Centre of Systems Studies at the University of Hull.</p>	

Program Overview

Friday, 24.6.2022	Time 12:00 – 13:00	Room D 011
Chair <i>Waltraut Ritter, Co-Chair ICKM 2022, Germany</i>		
12:00	KEYNOTE C	
 <p>Keynote Speaker ICKM 2022 PROF. DR. SUSANNE DURST</p>	<p><i>Don't forget the knowledge risks in conjunction with the green transformation</i></p> <p><i>Prof. Dr. Susanne Durst, Professor of Management, Department of Business Administration, Tallinn University of Technology, Estonia</i></p>	
	<p>Research on knowledge risks, their consequences and potential ways of handling them is underdeveloped in general. Consequently, an understanding of its link with green transformation is missing too. Taking into account the emerging need for a green transformation, the keynote introduces knowledge risks from the perspective of green transformation and provides some possible solutions of handling those risks in organizations.</p> <p>Susanne Durst is a Full Professor of Entrepreneurship at Tallinn University of Technology, Estonia, and Full Professor of Business Administration at the University of Skovde, Sweden. She holds a doctorate in Economics from Paris-Sud University, France. Her research interests include small business management, knowledge (risk) management, responsible digitalization and sustainable business development. She has been conducting several national and international research projects on knowledge (risk) management, SME business transfers, innovation management and learning. Her work has been recognised through different awards, including an Emerald Literati Award in 2020, and has been published in international peer-reviewed journals. Before joining academia, she worked with private organizations of different sizes and industries.</p>	

Friday, 24.6.2022	Time 16:30 – 16:45	Room D 011
16:30	<p>Next Steps: Public Event with Potsdam City & ICKM 2023</p> <p><i>Stefan Guldenberg, Lausanne, President New Club of Paris</i> <i>Christian Stary, Johannes Kepler University Linz, Austria</i> <i>Suliman Hawamdeh, University of North Texas, USA</i> <i>Waltraut Ritter, Co-Chair ICKM 2022, Berlin, Germany</i></p>	

Program Overview

Poster Session

Friday, 24.6.2022

Time 13:00 – 14:00

Room **D 011**Facilitated by *Daniel Alemneh, University of North Texas, United States of America*

Each author will be given **3 Minutes** to briefly explain his research questions or approach and the main results or highlights. The remaining time is reserved for individual conversations between the authors and the conference delegates.

- 1 **Knowledge Management System Innovation: From Global Needs over Decentralized Individual Devices and Affordances towards a Shared Transdisciplinary Knowledge Heritage Repository (10)**
Ulrich Schmitt, University of Stellenbosch Business School, South Africa / Botswana
- 2 **Health disparities across native American communities: a knowledge sharing perspective (12)**
Yong-Mi Kim, University of Oklahoma, United States of America
David Steinmann, Access Family Care, United States of America
Don McBride, Access Family Care, United States of America

- ONLINE** 3 **Consteladev: an innovative platform based on systemic methodologies to support teams and project management (30)**
Simone Perazzoli, Constela Digital Company, Brazil
Wagner Sousa Santos, Federation of Industries of the Santa Catarina - School System, Brazil
José Pedro de Santana Neto, University of Geneva, Switzerland

- 4 **Uncovering Disruption of knowledge dissemination in the context of global scholarly communication - An analysis of scientific Editorials using an Text Mining approach (66)**
Anna Cunningham, Technische Universität Dresden, Germany
Alina Praun, Technische Universität Dresden, Germany
Martina Pieperhoff, Technische Universität Dresden, Germany
- 5 **Library Collection Development and Branding: An Exploration of Ranganathan's Fifth Law That "A Library Is a Growing Organism" (70)**
Patrick Roughen, North Carolina Central University, United States of America
- 6 **Elicitation of tacit knowledge inside a clinical process using the FRAM (82)**
Carmen Aschwer, FOM University of Applied Sciences, Aachen, Germany
Thomas Mühlbradt, FOM University of Applied Sciences, Aachen, Germany
Helga Unger, FOM University of Applied Sciences, Aachen, Germany
- 7 **Knowledge Surfacing - Expert created knowledge connections**
Bart Verheijen, Guruscan, The Netherlands

Total number depending of number of registered authors

Program Overview

Track – KM Practitioner GfWM / SKMF (Part 1 - Morning)

Friday, 24.6.2022

Time 10:30 – 12:00

Room **D 011**Chair *Peter Heisig, University of Applied Sciences Potsdam, Germany*

BOSCH Experts Organization: Experiences & Perspectives

*Juergen Ebmeyer, Bosch Experts Organization (BEO), Germany**Lothar Maier, Bosch Experts Organization (BEO), Germany*

10:30



The Bosch Group is a leading global supplier of technology and services. It employs roughly 402,600 associates worldwide (as of December 31, 2021). The company generated sales of 78.7 billion euros in 2021. Its operations are divided into four business sectors: Mobility Solutions, Industrial Technology, Consumer Goods, and Energy and Building Technology. At 128 locations across the globe, Bosch employs some 76,100 associates in research and development, of which more than 38,000 are software engineers.



Juergen Ebmeyer joined Bosch in 2005 and is the Corporate Process Owner of the Bosch Experts Organization. He managed change projects to create divisional Centers of Competence and coordinates the Bosch-wide Centers of Competence.

Lothar Maier works for Bosch since 2005 and is the IT Infrastructure Application Owner of the Bosch Experts Organization. He additionally supports the Bosch organization with further KM tools and methods as e.g. Expert Debriefing moderation.



Fit to collaborate in the Otto Group: Experiences and perspective

Juliane Dieckmann, Otto Group, Germany

11:00



Juliane Dieckmann, Head of Knowledge Management in the Otto Group Holding, is responsible in the Digital & Consulting division for the group-wide transfer of knowledge and the development of KM products specifically aimed at collaboration in organisational units. She focuses with continuing enthusiasm on the task of making Knowledge Management in the Otto Group fit for the path to digital transformation and putting people at the centre of this.

The Otto Group is a globally active trading and services group with around 52,000 employees and a turnover of 15.6 billion euros. With 30 major corporate groups it is present in more than 30 countries. Global group activities and strategic partnerships provide the Otto Group with excellent conditions for know-how transfer and the use of synergy potential. Every day, in the course of its business activities, it deals with the core issues of a modern society, including the future of work, value-oriented action, and the opportunities and challenges of the present.

Program Overview

Track – KM Practitioner GfWM / SKMF (Part 1 - Morning)

Friday, 24.6.2022

Time 10:30 – 12:00

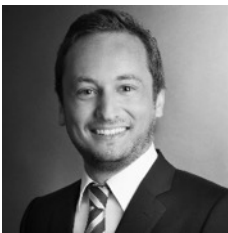
Room **D 011**

Knowledge Management enables the transformation from a global steel supplier to a technology service provider

Hubert Fratzl, voestalpine HPM Division, Austria

Sven Plenkers, voestalpine HPM Division, Germany

11:30



In 2018, voestalpine High Performance Metals decided to significantly invest in Knowledge Management to foster their strategy to expand into new markets. After conducting a thorough global feasibility study involving different stakeholders at multiple locations, a hybrid KM strategy was proposed creating networks of experts and identifying valuable content for re-use supported by a KM Service Portfolio. Members of pilot “communities of Practice” (CoP) were involved in the co-design of KM Services and testing of IT platforms. Once the global IT platform was established, the global roll-out of the CoP’s started. Simultaneously, a global governance structure was designed and implemented as well as a 3-tier measurement approach conceptualized and tested. Today, 28 CoP’s focusing on different topics, are conducting dozens of meetings every month and have identified about a thousand documents to be accessed via their electronic “home base” on Sharepoint. A training program to raise awareness and enable understanding of KM has been initiated on a global scale. The implementation of the KM board brought an important boost in participation and professionalism. To further foster and sustain the world-wide participation in the knowledge-network is the challenge we are facing until knowledge management has become an integral undisputed part of the corporate culture of voestalpine.

Program Overview

Track – KM Practitioner GfWM / SKMF (Part 2 - Afternoon)

Friday, 24.6.2022

Time 15:00 – 16:30

Room **D 011**Chair *Peter Heisig, University of Applied Sciences Potsdam, Germany*

15:00

ONLINE

Conversation about KM at NASA

Ed Rogers, former CKO at NASA, USA

Ed Rogers served as Chief Knowledge Officer with NASA Goddard Space Flight Center from 2003 to 2020. He holds a PhD in HRM from Cornell University and teaches at different universities like University of Alabama, George Washington University and Indian School of Business. Since 2020 he is the principal owner of Mayjer Enterprises (Palmyra, Virginia).



Intellectual capital management in an engineering company

Christian Mühlbauer, Zilch + Müller Ingenieure, Germany

15:30



Engineering offices are knowledge companies. Systematically maintaining and developing the existing knowledge in and as a company is therefore an essential task of corporate management. Knowledge management at ZM-I includes a training system (ZM-I Campus), a digital knowledge database (intranet) and workshops. For a systematic analysis and evaluation of the company's intellectual capital, a bi-annual certified intellectual capital report is carried out. For this purpose, employees from all divisions and locations come together to systematically analyse and evaluate the intellectual capital in the company. The intellectual capital statement is thus a fundamental management tool at ZM-I.

ZM-I is an independent, medium-sized civil engineering company organised as a partnership for demanding projects. Based in Munich, the group has grown continuously and is now active throughout Germany. As a structural engineering company with a focus on statics, ZM-I offers consulting, planning, testing and assessment services in the field of civil engineering.

Dr.-Ing. Christian Mühlbauer is managing partner at ZM-I in Munich. He has a doctorate in civil engineering and specialises in the field of structural engineering and building in existing structures and is part of the ZM-I intellectual capital report team.



KM Practices - Motivational Structures within Tax and Legal Knowledge Management

Katharina Otto, PricewaterhouseCoopers, Switzerland

16:00

ONLINE

This presentation deals with motivational ideas and initiatives for knowledge sharing in the field of tax and legal consulting. Sharing knowledge at all levels and in all formats is often difficult or even impossible due to the need to respect confidentiality and data protection laws. However, the example of PwC Switzerland shows how it is still possible to be a knowledge organization, to create a lively and popular exchange between employees and not to reinvent the wheel every day. We will also shed light on what a well-positioned knowledge management can enable in a crisis situation and how it has moved from behind the scenes to the stage.

PwC Switzerland is the leading audit and advisory company in Switzerland. We're a network of firms in 156 countries with over 295,000 people who are committed to delivering quality in assurance, advisory and tax services. PwC Switzerland has over 3,380 employees and partners in 14 locations in Switzerland and one in the Principality of Liechtenstein.

Program Overview

Track - Knowledge Management & Learning

Friday, 24.6.2022

Time 10:30 – 12:00

Room **D 108**Chair *Caroline Wong, James Cook University, Singapore*

10:30 Value exchange exploration supporting project-based learning (19)

Iniga Antonia Baum, Johannes Kepler University, Austria
Christian Stary, Johannes Kepler University, Austria

ONLINE 11:00 Neo-learning methodology to facilitate the transfer of learning into practice (23)

Graziela Grando Bresolin, Federal University of Santa Catarina, Brazil
Patricia de Sá Freire, Federal University of Santa Catarina, Brazil

ONLINE 11:30 Evidence-driven strategies for successful schooling outcomes of learners of African descent in Nova Scotia (25)

Raavee Kadam, Saint Mary's University, Canada
Joyline Makani, Dalhousie University, Canada
George Frempong, Delmore "Buddy" Daye Learning Institute, Canada
Pawan Lingras, Saint Mary's University, Canada

Track – Knowledge Management III

Friday, 24.6.2022

Time 15:00 – 16:30

Room **D 108**Chair *Susanne Durst, Tallinn University of Technology, Estonia*

15:00 Evaluation of operational knowledge risks in SMEs – using a grey-dematel technique (80)

Samuel Foli, Tallinn University of Technology, Estonia
Susanne Durst, Tallinn University of Technology, Estonia
Elena Domínguez Romero, Tallinn University of Technology, Estonia

15:30 Knowledge Management (KM) in Radioactive Waste Management (RWM) (41)

Dinara Abbasova, HDZR (Helmholtz-Zentrum Dresden-Rossendorf), Germany
Gunnar Hoefer, BGE (Bundesgesellschaft für Endlagerung), Germany
Thuro Arnold, HDZR, Germany
Sebastian Wanka, BGE, Germany
Carola Franzen, HDZR, Germany
Peter Wellmann, BGE, Germany

16:00 Visual Knowledge Management – Whiteboards, Knowledge Maps, Challenges and Solutions (43)

Heiko Haller, Infinity Maps, Germany

Program Overview

Track – Text Analytics I

Friday, 24.6.2022

Time 10:30 – 12:00

Room **D 106**Chair *Günther Neher, University of Applied Sciences Potsdam, Germany*

ONLINE 10:30 **An Integrated Workflow for Exploring Graduated Research Landscape using Focus & Context and Co-occurrence Method (40)**

Chih-Chien Hou, National Yang Ming Chiao Tung University, Taiwan
Hune-Hao Hou, National Yang Ming Chiao Tung University, Taiwan

11:00 **Exploring Knowledge Graphs**

Johannes Hercher, Freie Universität Berlin, University of Applied Sciences Potsdam, Germany
Peter Heisig, University of Applied Sciences Potsdam, Germany
Günther Neher, University of Applied Sciences Potsdam, Germany

ONLINE 11:30 **Extractive Automatic Text Summarization Techniques for Afaan Oromoo – Afroasiatic Language in Ethiopia (67)**

Ramata Mosissa, Mettu University, Ethiopia
Daniel Alemneh, University of North Texas, United States of America

Track - Text Analytics II

Friday, 24.6.2022 Time 15:00 – 16:30

Room **D 106**Chair *Yong-Mi Kim, University of Oklahoma, United States of America*

15:00 **Dialogue Recognition in Online Health Community via Integrating Text Scene Information (44)**

Zhenhua Tang, Wuhan University, China
Renxian Zuo, Wuhan University, China
Chaocheng He, Wuhan University, China
Haoyu Zhou, Wuhan University, China
Xiao Huang, Wuhan University, China
Jiang Wu, Wuhan University, China

ONLINE 15:30 **An interactive web-based dashboard to examine trending topics: application to financial journals (51)**

Ngoc Phan, University of North Texas, United States of America
Nayana Pampapura Madali, University of North Texas, United States of America
Sahar Behpour, University of North Texas, United States of America
Ting Xiao, University of North Texas, United States of America

ONLINE 16:00 **Social media and people perception of global warming during critical environmental events: the impact of misinformation through the lens of social noise (57)**

Nayana Pampapura Madali, University of North Texas, United States of America
Manar Alsaied, University of North Texas, United States of America
Suliman Hawamdeh, University of North Texas, United States of America

Program Overview

Panel I - Sense-making: Panel of Discovery

Friday, 24.6.2022

Time 10:30 – 12:00

Room **D 119**

Composed by John Turner, University of North Texas, USA (Online)
 76 Suliman Hawamdeh, University of North Texas, USA
 Jeff Allen, University of North Texas, USA
 Dave Snowden, Director & Founder – The Cynefin Centre, Cognitive Edge, UK

This panel is made up of seminal researchers who have been identified as critical to the sense-making field of study. This panel is designed to provide an overview of the different methodologies and theories of sense-making from several of the seminal originators of sense-making. This panel will begin by having each panelist identify their own definition of sense-making, what sense-making involves, and why sense-making is relevant in today's globally interconnected environment. This panel will then move to a discussion on how sense-making can be applied in today's environment along with asking recommendations for the next generation of methods and theories for the field of sense-making. Lastly, the audience will have an opportunity to ask questions of the panelists.

Panel II - Changing Landscape of Scholarly Communications: Open Access

Friday, 24.6.2022

Time 15:00 – 16:30

Room **D 119**

Facilitated by Anja Zeltner, Open Access Brandenburg, University of Applied Sciences, Potsdam, Germany

Composed by Daniel Gelaw Alemneh, University of North Texas, USA
 47 Suliman Hawamdeh, University of North Texas, USA
 Ina Fourie, University of Pretoria, South Africa (Online)
 Abebe Rorissa, University of Tennessee, USA
 Angela Ford, Judson University, USA
 Shimelis Assefa, University of Denver, USA

While Open Access (OA) to scholarly and scientific information is not new, various factors, including the shift to emergency remote teaching and national mandates for sharing the products of funded research outputs drive scholars to rethink traditional scholarship models. Today, due to the global COVID-19 pandemic, we are witnessing unprecedented levels of research output generated in a short period of time and shared globally with those who are embarking on finding vaccines and cures in an accelerated fashion. The pandemic indeed, highlighted the importance of transparency, open, and timely access to data and information. Government and private institutions worldwide are reacting to the new situation where researchers, educators, students, and staff are trying to adjust to remote teaching and learning as well as telecommuting.

With the changing landscape of academic publishing and the growing interdisciplinary field of studies, open access facilitates amalgamations of a diverse set of methods, theoretical frameworks, tools and processes that originate from different disciplines and continue to be developed, adopted, and extended through further research, teaching, and practices. In this panel, panelists argue that open access to scholarly knowledge production should be the modus operandi in the time and age we live in. Open access to knowledge is critical not just to accelerate advances in finding solutions to societal issues, but also to meet the growing expectations around higher education institutions' social responsibilities in times of uncertainties. Beyond improving access to scholarly and scientific research for all, OA supports implementation of guiding principles, including the FAIR (findable, accessible, interoperable, and reusable) and FATE (fairness, accountability, transparency, and ethics) principles.

Program Overview

Workshop II – Understanding and Co-Creating Sustainable Climate Resilience in Society

Friday, 24.6.2022

Time 15:00 – 16:30

Room **D 116**

Facilitated by *Paula Kuusipalo-Määttä, CEO of Paulos Consulting, Finland*
Ossi Määttä, Direction Technology Services, BDO, Finland

How can Knowledge and Information management professionals contribute to co-creating sustainable climate resilience in society? What are the sustainable climate-resilient futures we want to see take place in a global, interdependent world, and what is the Knowledge and Information management professionals' role in making these scenarios happen?

K&I Management professionals have essential roles to play in addressing the crises, risks, and urgency that our environment is facing. Their work as teachers, researchers, and experts in processing data and knowledge are crucial to how our world will develop in the incoming decades.

In this interactive workshop called knowledge Huddle – developed by GRASP Network – participants are stimulated in a creative way with the use of art to reflect on the above-mentioned questions. Art helps us to imagine alternative futures, and new scenarios, but not only. It also connects to our feelings and emotions and speeds up creative processes.

With this creative approach, the workshop tries to grasp what actions are needed. From individual behavior to organizational, national, and international climate actions, all levels are interwoven and interdependent. In this scene starting from the personal/individual is essential. What can each of us individually do but also how can we collectively make a difference?

Knowledge Café by New Club of Paris

Friday, 24.6.2022

Time 10:30 – 16:30

Room **D 228**

Facilitated by *Stefan Guldenberg, President, New Club of Paris, and Academic Director Graduate School, EHL Lausanne*
Waltraut Ritter, ICKM conference co-chair, Research Director, Knowledge Dialogues, and founding member of the New Club of Paris

The New Club of Paris will host a knowledge café open to members and guests, to discuss ongoing and future projects related to knowledge-based economy, including the Barcelona autumn meeting on the topic of “Creating Sustainable Wealth in a Global Knowledge Economy”.

All are welcome to join!

13:30 –
15:00**Potsdam: From Science City to City of Knowledge Transfer?***A discussion on knowledge/science city development*

Special event by



Different location: Wissenschaftsetage Potsdam, Am Kanal 47, 14467 Potsdam
<https://www.potsdam.de/wissenschaftsetage-im-bildungsforum-potsdam>

This event, organised by the New Club of Paris and the Society for Knowledge Management (GfWM), will discuss different facets of Potsdam.

Potsdam is both UNESCO World Heritage and Creative Film City, and is also known as knowledge and science city.

What are the intangibles of Potsdam City? This question on Potsdam's present and future development will be discussed by local and foreign experts, representatives from public and private institutions as well as representatives of the city administration.

Moderators:

Stefan Güldenbergh, President, New Club of Paris, and Academic Director Graduate School, EHL Lausanne

Waltraut Ritter, ICKM conference co-chair, Research Director, Knowledge Dialogues, and founding member of the New Club of Paris

All are welcome to join this public debate. This event will be bi-lingual (German/English). The event is free to attend. To register, please send an e-mail to the following address: roundtable@gfwm.de or at the conference venue.

15:15
17:15

Guided Knowledge City Tour of Potsdam (in English)
 with short visits to historical sites and selected research institutes.

Funded by the
State Capital
Potsdam



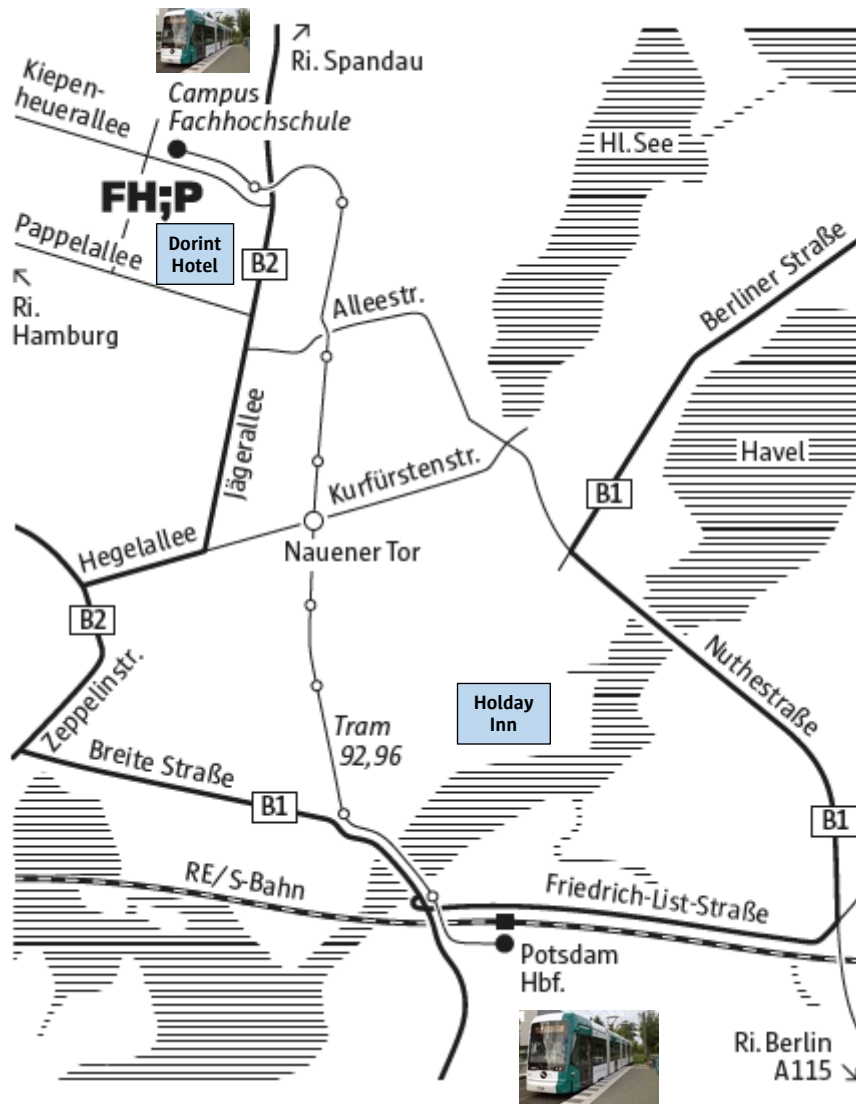
Tour by bus with limited seats available – max 50 – first come – first served basis

Registration onsite at the conference venue –
for more details contact Waltraut Ritter at the event.

From Potsdam Main Station to Campus Fachhochschule

Please take advantage of the **9,00 Euro-Ticket** which gives you free travel on all local & regional public transport in Germany in June 2022.

For details check online: <https://www.bahn.com/en/offers/regional/9-euro-ticket-en>



Anfahrt mit dem öffentlichen Nahverkehr

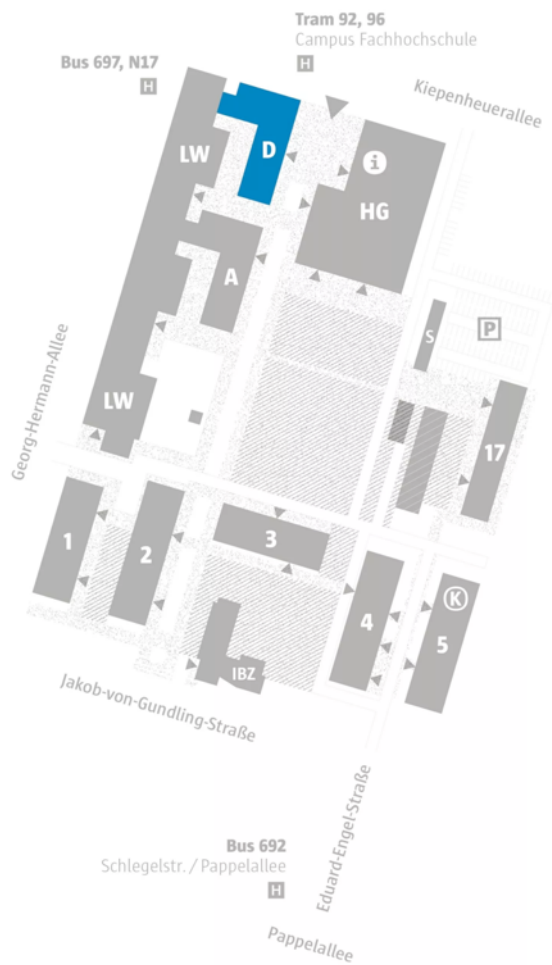
Von ‚Hauptbahnhof Potsdam‘: Tram 92 und 96 in Richtung ‚Kirschallee‘ bzw. ‚Campus Jungfernsee‘ bis ‚Campus Fachhochschule‘ – Dauer ca. 12 Minuten

Directions to FHP by public transport

From ‚Hauptbahnhof Potsdam‘ (Potsdam main station): Take either tram 92 to ‚Kirschallee‘ or tram 96 to ‚Campus Jungfernsee‘ and get off at ‚Campus Fachhochschule‘ – duration approx. 12 min

Taxi Potsdam: +49 (0)331/29 29 29

ICKM 2022 – 23/24. June – Main Venue: Haus / Building D



ICKM 2022 – Venue Campus Fachhochschule Haus / Building D – Ground Floor

Welcome Desk & Networking Area

Main Lecture Hall for Keynotes, KnowledgeCamp & Poster Session & Track Sessions



ICKM 2022 – 23– 24 June Venue: Potsdam – Campus Fachhochschule

Haus / Building D – 1st Floor

Rooms for Track Sessions & Workshops & Panels

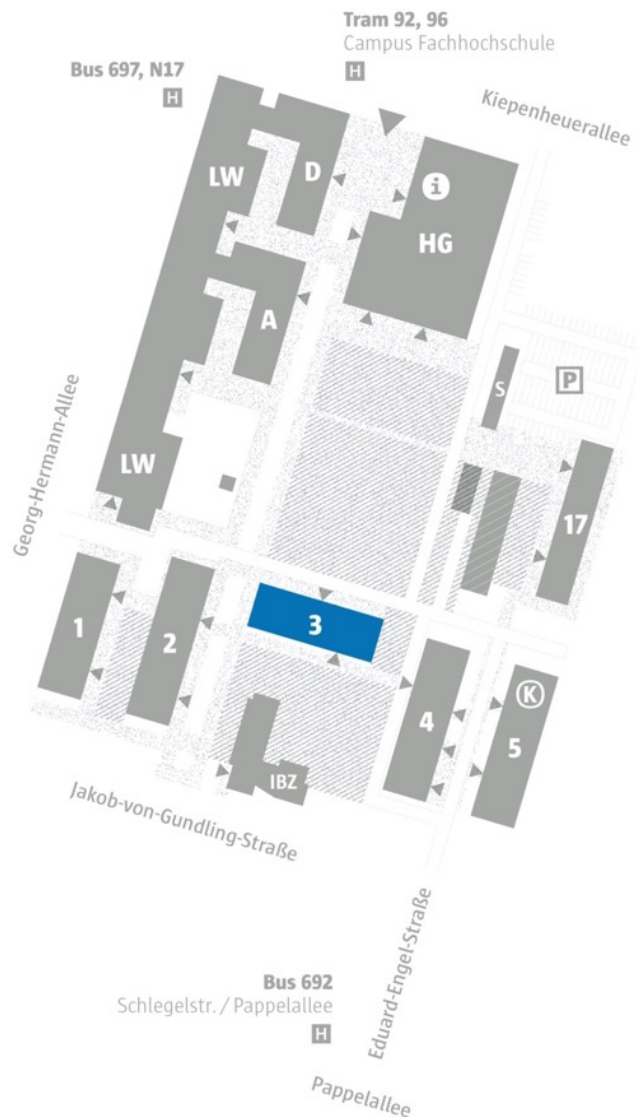


ICKM 2022 – 23– 24 June Venue: Potsdam – Campus Fachhochschule

Haus / Building D – 2nd Floor

Meeting room for New Club of Paris

Informal reception 22. June 22 – Haus 3 / Building 3



25. June 22

Venue: Wissenschaftsetage Potsdam, Am Kanal 47, 14467 Potsdam

Tram stop:
"Platz der Einheit/
Bildungs-forum"

And

"Platz der Einheit/
West"





The University of Applied Sciences Potsdam (FHP) was founded in 1991 and is located on the newly developed Campus Fachhochschule, north of the city center of Potsdam. The university offers more than 30 degree programs for over 3,600 enrolled students. The programs offered at Bachelor and Master level range from information sciences, architecture, civil engineering and design towards cultural and social



care work. In addition, there is a broad portfolio of transfer and adult education programs. Under the umbrella of Institute of Applied Research (IAF) large-scale research projects funded within the EU Horizon Program, by the German Research Organization (DFG), the Federal Ministry of Education & Research (BMBF) or the State of Brandenburg are conducted with partners from research and industry. As an employer, the university offers attractive employment opportunities, promotes equal opportunities and supports compatibility of career and family.

Experienced, dedicated professors, lecturers and staff, well-equipped seminar rooms, laboratories and workshops, a modern university library as well as interactive communication and learning platforms offer excellent conditions for flexible and practice-oriented study. The close relationships with partners from the region as well as from Germany and abroad ensure inspiring cooperation. The University of Applied Sciences Potsdam offers a study in a personal working atmosphere from the first day on.

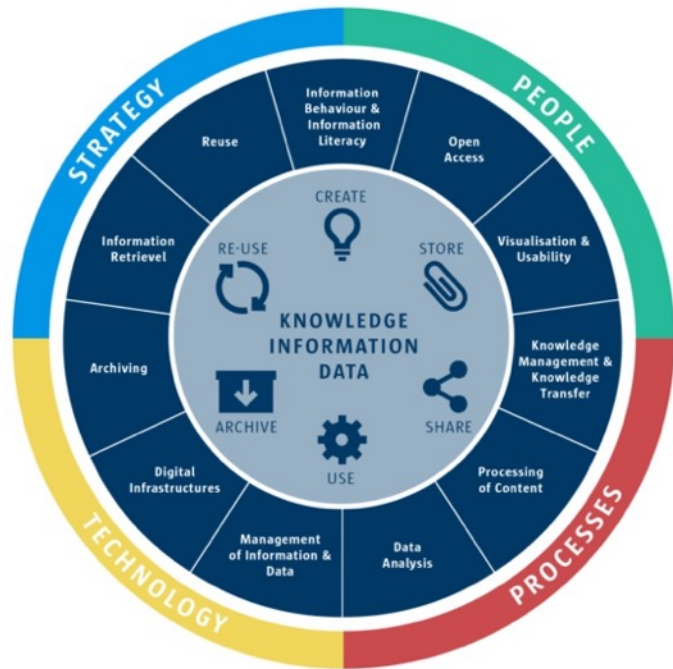
Innovative teaching and research formats provide the opportunity to work together with fellow students and lecturers from different departments and study programs. Under the guiding principle of "research-based learning", students can familiarize themselves with the methods of application-oriented research at an early stage. The three profile lines "*Digital Transformation - Urban Future*", "*Educating Society*" and "*Designing·Building·Conserving*" address societal challenges and future issues across disciplines.

Information Sciences Department

Since its foundation in 1992, the **Information Sciences Department** (FB5) has made a name for itself among information experts in Germany. It is known for its study concept of a semi-integrative curriculum of archivists, librarians and documentalists - called the "*Potsdam Model*".

Currently, almost 500 students are taught by 12+ full-professors at the department. In addition to the degree programs, the department also offers adult and part-time education programs for employees in archives and libraries.

The Department hosts the Coordination Center for Archives in the State of Brandenburg and Open Access Brandenburg. Current research projects are around the topics of Research Data Management, Digital Literacy and Knowledge Management.



Practical Knowledge Management @ FB5 – Students sharing their experiences from their internships across study programs and study years at the annual FB5 Internship & Alumni Day



Thank you all!

Every event is a team effort and an international event is a huge effort by a distributed team around the globe. Every member contributes from spreading the word in her/his community via reviewing submissions made to the Call-for-Papers up to supporting the organization of the conference.

Our big thank you goes to all members of the conference organizing committee, all reviewers and authors contributing to the 17th ICKM 2022 in Potsdam!

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As the local conference host, I would like to extend my great thanks to all the local colleagues, members of FHP staff and the students from our Department of Information Sciences (FB5) for their help and support to make this event on our campus possible.

I am very grateful to everybody for engaging in such an excellent manner and particular to those who put even more hours in as to be expected.

FHP Staff

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Password: to be released at the conference