

**NEW
IDEAS****IN KNOWLEDGE MANAGEMENT
& LEARNING TECHNOLOGY**

KMO & LTEC Conferences 2022

KMO & LTEC 2022 International Conference

Schedule

Date/Time (24h CET)		Session Title	
July 11, 2022 Monday	08:30~	Registration (open during the conference)	
	09:00-12:00	Tutorial I	
	12:00-13:30	Lunch	
	13:30-16:30	Tutorial II (virtual)	
July 12, 2022 Tuesday	09:00-09:20	Opening Ceremony	
	09:20-10:20	Keynote I	
	10:20-10:50	Coffee Break	
	10:50-12:20	KMO Session 1	LTEC Session 1 (virtual)
	12:20-13:20	Lunch	
	13:20-14:50	KMO Session 2	LTEC Session 2 (virtual)
	14:50-15:20	Coffee Break	
	15:20-16:50	KMO Session 3 (virtual)	LTEC Session 3
	17:00-19:00	Guided Tour of the City of Hagen and its Surroundings	
July 13, 2022 Wednesday	09:30-10:30	Keynote II	
	10:30-11:00	Coffee Break	
	11:00-12:30	KMO Session 4 (virtual)	LTEC Session 4 (virtual)
	12:30-13:30	Lunch	
	13:30-15:00	KMO Session 5 (virtual)	
	15:00-15:30	Coffee Break	
	15:30-17:00	KMO Session 6	LTEC Session 5 (virtual)
	19:00~	Conference Dinner & LTEC 10 th Anniversary Party	
July 14, 2022 Thursday	09:30-10:30	Keynote III	
	10:30-11:00	Coffee Break	
	11:00-12:30	KMO Session 7 (virtual)	KMO Session 8
	12:30-12:50	Closing Ceremony & Presentation KMO/LTEC 2023	
	12:50-14:00	Lunch	
	15:00-20:30	Visit to BVB Stadium, Museum and Shop	
July 15, 2022 Friday	09:00-16:00	CANCELLED! Day Trip to Henrichenburg Boat Lift	

Location

Conference Rooms are located in [Building 2](#) of the FernUniversität in Hagen, Universitätsstraße 11, 58097 Hagen, Germany. To join the virtual sessions either join us in the respective (physical) room or use your Zoom client to join us in the respective virtual room:

For the KMO virtual sessions:

<https://fernuni-hagen.zoom.us/j/61587764380?pwd=MW55RXQ1MEx5Z3k2QUl0Y2lxT05nUT09>

For the LTEC virtual sessions:

<https://fernuni-hagen.zoom.us/j/62800477242?pwd=ZE1tVEgrMDk3bmJHOUExUVISSjIjWdz09>

You will need to enter a password, these have been distributed by email.

Day 1 – July 11, 2022 (Monday)

Registration

Time: from 8:30 (open all day during the conference)

Room: Building 2, Rooms 1/2, Ground Floor

Be welcomed and get your name badge and goodie bag!

Tutorial I

Time: 09:00–12:00

Room: Building 2, Rooms 1/2, Ground Floor

Chair: *Dario Liberona*

The Development of a National Registry of Procedures for Greece Using Crowd Sourcing and an Open Software Knowledge Repository

Iraklis Varlamis (National Infrastructures for Research and Technology, Athens, Greece)

Tutorial II (virtual)

Time: 13:30–16:30

Room: Building 2, Rooms 1/2, Ground Floor

Chair: *Derrick I-Hsien Ting*

Harnessing the Power of Academic Shame, Shame Proneness, and Individual Differences in the Learning of Complex Science Topics

Jeremiah Sullins (Harding University, Searcy, USA)

Day 2 – July 12, 2022 (Tuesday)

Opening Ceremony

Time: 09:00–09:20

Room: Building 2, Rooms 1/2, Ground Floor

Lorna Uden

Keynote I

Time: 09:20–10:20

Room: Building 2, Rooms 1/2, Ground Floor

Chair: Lorna Uden

TBA

Ada Pellert (FernUniversität in Hagen, GER)

KMO Session 1

Time: 10:50–12:20

Room: Building 2, Rooms 4/5, 1st Floor

Chair: *Souad Kamoun-Chouk*

Effective Researcher Collaboration: A Taxonomy of Key Factors Impacting Knowledge Sharing

Hanlie Smuts, Vladimir Sudakov and Ester Luna Colombini

Google Big Data Trend Index Analysis of Industry 4.0 Technologies: Technology and Key Concept Trends of Global Landscape in 2004–2021

Jari Kaivo-Oja, Teemu Santonen, Theresa Lauraäus and Mikkel Stein Knudsen

LTEC Session 1 (virtual)

Time: 10:50–12:20

Room: Building 2, Rooms 1/2, Ground Floor

Chair: *Dario Liberona*

Testing the Instructional Design for Knowledge Nuggets Implementation

Christian Ploder

The Importance of Tasks and the Use of Digital Technologies Affordances in Mathematical Problem-Solving Approaches

Manuel Santos-Trigo

Digital Workbook in Virtual Learning Environment

Rini Setyowati

Online Learning in Higher Education Institution During COVID-19: A Review and The Way Forward

Fauziah Sulaiman

KMO Session 2

Time: 13:20–14:50

Room: Building 2, Rooms 4/5, 1st Floor

Chair: *Magdalena Marczevska*

Key variables for the implementation of Industry 4.0 in the Colombian service sector

Cristhian Naranjo and Luz Rodriguez

The Crowdsourcing Delphi: A method for combing expert judgements and wisdom of crowds

Teemu Santonen and Jari Kaivo-Oja

Continuous Reporting: the Case Study of Environmental Monitoring

Antonia Azzini, Nicola Cortesi and Giuseppe Psaila

LTEC Session 2 (virtual)

Time: 13:20–14:50

Room: Building 2, Rooms 1/2, Ground Floor

Chair: *Viktorija Florjancic*

The Lockdown Impact on Students' Successfulness

Viktorija Florjancic

Gamified Learning in Online Teaching Through Platforms: The Use of Quizizz

Jesús I. Rivas García

Assessing Teachers' Use of English e-Textbooks Over Time: A Technology-Mediated Learning Perspective

Hui-Min Lai

The Learning Means and Ends Analysis (MEA) of Student's Problem-Solving and Creative Thinking Abilities

Nindy Citroresmi

KMO Session 3 (virtual)

Time: 15:20–16:50

Room: Building 2, Rooms 1/2, Ground Floor

Chair: *Christian Ploder*

Competency-Based Business Process Management – Employee-Centered Process Improvement for Digital Transformation

Annika Nowak, Jan Pawlowski and Michael Schellenbach

Investigating the Potential of AutoML as an Instrument for Fostering AI Adoption in SMEs

Stephan Olsowski, Stephan Schlögl, Ellen Richter and Reinhard Bernsteiner

Agile Portfolio Management for Hybrid Projects: How to Combine Traditional and Agile Projects in a Project Portfolio

Christian Ploder, Annalena Hüsam, Reinhard Bernsteiner and Thomas Dilger

Model of Long-Term Preservation of Digital Documents in Institutes of Higher Education

Veronica Judith Paucar Leon, Fernando Molina-Granja, Raul Lozada-Yanez and Juan Carlos Santillan-Lima

LTEC Session 3

Time: 15:20–16:50

Room: Building 2, Rooms 4/5, 1st Floor

Chair: *Marjan Hericko*

Assessing the Performance of Open Contracting in Colombia Through Data Mining

Katherine Cuartas

Matching Efficiency of Admission Procedures in Online-Education

Moritz Mosenhauer

Compensatory Skill: The Dyslexia's Key to Functionally Integrate Strategies and Technologies

Michele de la Ventura

The Assessment Pattern Catalog for a Distant Education: The Study of the Classroom Applicability

Marjan Hericko

Social: Guided Tour of the City of Hagen and its Surroundings

Time: 17:00–19:00

Meeting Point: Universitätsstraße 11 (outside conference venue)

Day 3 – July 13, 2022 (Wednesday)

Keynote II

Time: 09:30–10:30

Room: Building 2, Rooms 1/2, Ground Floor

Chair: Lorna Uden

The role of Knowledge Management and Learning to Reduce the Digital Carbon Footprint of Organisations

Thomas Jackson (Loughborough University, UK)

KMO Session 4 (virtual)

Time: 11:00–12:30

Room: Building 2, Rooms 1/2, Ground Floor

Chair: Uwe V. Riss

Agent-based Vector-label Propagation for Explaining Social Network Structures

Valerio Bellandi, Paolo Ceravolo, Ernesto Damiani and Samira Maghool

Chatbots for News Delivery – Investigations into Intrinsic Motivation and User Engagement

Lukas Köb, Stephan Schlögl and Ellen Richter

Artificial Intelligence in Intelligent Cities, Case Study: Detection of Diabetic Retinopathy Through a Neuronal Networks in Citizens of Bogotá, Colombia

Diego Alejandro Barragán Vargas, Ricardo Alirio Gonzalez Bustamante and Roberto Ferro Escobar

Information Technology Outsourcing Success: A Knowledge Sharing Conceptual Model

Willem Pienaar and Hanlie Smuts

LTEC Session 4 (virtual)

Time: 11:00–12:30

Room: Building 2, Rooms 4/5, 1st Floor

Chair: Birgit Feldmann

Knowledge Management Model in Telework

Victor Hugo Medina Garcia

Engineering for Sustainable Development: A Smart Pedagogical Framework for Developing IoT Projects Applied to Climate Action – Practices and Challenges

Foteini Paraskeva

The Training Effects and Learners' Perceptions Towards Asynchronous Computer-Mediated Peer Feedback for L2 Writing Revision

Yun Wang

Empowering e-Course Effectiveness and Student's Motivation Through Inquiry Based Learning Aligned to ARCS Motivation Model in Moodle Workplace

Foteini Paraskeva

KMO Session 5 (virtual)

Time: 13:30–15:00

Room: Building 2, Rooms 1/2, Ground Floor

Chair: Remy Magnier-Watanabe

The Effect of Telework Frequency on Communication Media and Knowledge Sharing in Japan

Remy Magnier-Watanabe

Value of the Influence of Research Highlights on Academic Papers

Yue Liu, Dejun Zheng, Haichen Zhou and Shaoxiong Fu

YoloV4-MobileNetV2-DW-LCARM : A Real-Time Ship Detection Network

Puchun Xie, Ran Tao, Xin Luo and Youqun Shi

Efficacy of Knowledge and Skills in Teaching and Learning and Research in Higher Education Institution

Rexwhite Tega Enakrire and Hanlie Smuts

How Digital Literacy Could Impact Competitive Intelligence, Business Intelligence and Knowledge Management?

Souad Kamoun-Chouk

LTEC Session 5 (virtual)

Time: 15:30–17:00

Room: Building 2, Rooms 1/2, Ground Floor

Chair: Foteini Paraskeva

Shaping Learning Within the Digital Transformation. The Hagen Manifesto on #NewLearning

Annabell Bils

Delivering an Online Course on "COVID-19 Vaccination Campaign: Administration in Safety of the Anti SARS-COV 2 / COVID-19 Vaccine" for Nursing Students at Italian Universities

Anna Berardi

Test of Competencies (TECO) in the Bachelor's Degree Course in Psycho and Neurodevelopmental Therapy at the "Sapienza" University of Rome: Cross Sectional Study, Internal Consistency and Discriminant validity

Giovanni Galeoto

Development and Validation of the Progress Test in Occupational Therapy Degree Courses: A Cross-Sectional Study

Giovanni Galeoto

KMO Session 6

Time: 15:30–17:00

Room: Building 2, Rooms 4/5, 1st Floor

Chair: Derrick I-Hsien Ting

Teacher' Readiness of ICT Integrated in Higher Education Innovation

Juchuan Wu and Jui-Chi Wang

Extending the Occupational Safety and Health Management System as a Knowledge Management System Through the Mixed-Reality Spectrum Remote Audit

Mohd. Fuad Mohd. Isa, Nor Zairah Ab.Rahim, Mohamad Syazli Fathi and Rasimah Che Mohd Yusoff

Value in Digital Technologies and Services

Uwe V. Riss, Michael Ziegler and Lindsay J Smith

Knowledge Communication in Government ICT Projects: A Cross-Case Analysis Study

Rohaizan Daud, Surya Sumarni Hussein, Nor Zairah Ab.Rahim, Roslina Ibrahim, Suraya Yaacob and Nur Azaliah Abu Bakar

Social: Conference Dinner & LTEC 10th Anniversary Party

Time: 19:00–

Meeting Point: Mercure Hotel

Day 4 – July 14, 2022 (Thursday)

Keynote III

Time: 09:30–10:30

Room: Building 2, Rooms 1/2, Ground Floor

Chair: Lorna Uden

The New Learning Organisation

Elena Antonacopoulou (Ivey Business School, University of Western Ontario, CA)

KMO Session 7 (virtual)

Time: 11:00–12:30

Room: Building 2, Rooms 1/2, Ground Floor

Chair: Eric Kin Wai Lau

A Lightweight Facial Expression Recognition Network Based on Dense Connections

Xiaokang Xu, Ran Tao, Xiangyang Feng and Ming Zhu

Manufacturing Industry's Servitization and Its Future – Case Analysis of the Japanese Electric Company

Akira Kamoshida and Toru Fujii

Critical Obstacles to Knowledge Sharing in Organizational Knowledge Management Systems: An Exploratory Case Study

Eric Kin Wai Lau

An Asymmetric Parallel Residual Convolutional Neural Network for Pen-Holding Gesture Recognition

Jinyang Ding, Ran Tao, Xiaokang Xu and Puchun Xie

The Business Model Transformation Framework Using Design Science Approach

Aravind Kumaresan and Dario Liberona

KMO Session 8

Time: 11:00–12:30

Room: Building 2, Rooms 4/5, 1st Floor

Chair: Jari Kaivo-Oja

Creativity and Innovation in Polish Universities: The Knowledge Triangle Approach

Magdalena Marczewska and Marzenna Anna Weresa

Plausible 6G Futures: Scenarios for the Future MNO Business Environment in the 6G Era

Yukie Ikezumi, Mikkel Stein Knudsen and Jari Kaivo-Oja

Closing Ceremony & Presentation of KMO/LTEC 2023

Time: 12:30–12:50

Room: Building 2, Rooms 1/2, Ground Floor

Lorna Uden

Social: Visit to the BVB Stadium, Museum and Shop

Time: 15:00–20:30

Meeting Point: Universitätsstraße 11 (outside conference venue)

Social Activities

As you can see from the schedule (LINK), a number of social activities are planned. In addition, on Monday and Wednesday, there is some free time at your own discretion. All events during the conference (Mon – Thu) are included in the conference fee, at least for registered participants. Friday's trip to the Henrichenburg Boat Lift on Friday requires an additional registration and fee. **Please help us organise this event by indicating your attendance of one or more of the social activities using this link:**

<https://terminplaner4.dfn.de/lwL9wJr2PdzHYBPI>

This way we will have a better idea of the number of persons attending which will greatly facilitate booking etc. **Please fill in the form by Monday, June 20, 2022!**

During Conference Days, FernUniversität

Coffee and Lunch Breaks

Coffee and lunch breaks can be taken on the conference site at a room to be announced. We will supply assorted pastries for coffee breaks and hot lunches, including vegetarian options. Hot drinks and non-alcoholic beverages will be available all day.

Tuesday, July 12, 2022, 17:00 – 19:00, FernUniversität

Guided Tour of the City of Hagen and its Surroundings

We will meet at Universitätsstraße 11 (outside the conference venue) just before 17:00 for a sightseeing tour of the City of Hagen and its surroundings. The tour will be taken by bus but will include occasional stops to take photographs. At 19:00 we will arrive back at the Mercure Hotel for a light dinner and to call it a day.

Costs and Registration: For registered participants of the KMO/LTEC 2022, this activity is included in the conference fee. Additional persons will have to pay a fee. Should you be interested in joining us, please help us and register [here](#) so that we may know the number of persons attending.

Wednesday, July 13, 2022, from 19:00, Mercure Hotel

Conference Dinner & LTEC 10th Anniversary Party

The conference dinner will be held at the Mercure Hotel, starting at 19:00. We will also celebrate the 10th Anniversary of the LTEC.

Costs and Registration: For registered participants of the KMO/LTEC 2022, this activity is included in the conference fee. Additional persons will have to pay a fee of 75€. Should you be interested in joining us, please help us and register [here](#) so that we may know the number of persons attending.

Thursday, July 14, 2022, 14:50 – 20:30, FernUniversität

Visit to the BVB Stadium, Museum and Shop

[Borussia Dortmund](#) (or BVB, as in “Ballspielverein Borussia 09 e. V. Dortmund”) is a soccer club playing in the 1. Bundesliga, Germany’s premier soccer league. It is one of the most successful German soccer clubs, the sixth biggest sports club worldwide (fifth in Germany) and deeply rooted in the Ruhrgebiet culture and identity.

When and where: We meet at Universitätsstraße 11 (outside the conference venue) just before 15:00 to take a chartered bus

1. to the Borusseum, an exhibition on the history of the BVB,
2. to the Fanwelt BVB, the club’s merchandise shop,
3. to the Signal Iduna Park (formerly Westfalenstadion), the BVB’s home stadium.

We will take a guided tour at the stadium and then return to the Mercure Hotel in Hagen at approx. 20:30.

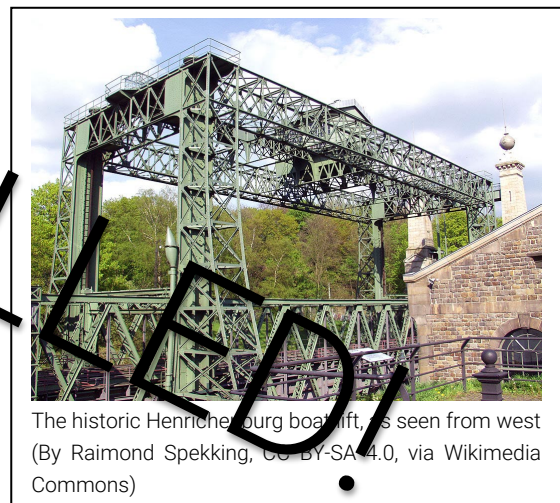
Costs and Registration: For registered participants of the KMO/LTEC 2022, this activity is included in the conference fee. Additional persons will have to pay a fee. Should you be interested in joining us, please help us and register [here](#) so that we may know the number of persons attending.



Friday, July 15, 2022, 9:00 – 16:00, Mercure Hotel

A guided tour of the historic Henrichenburg Boat Lift

On Friday, the day after the conference, we would like to take you on a one-day trip to one of the iconic sights of the Industrial Heritage of the Ruhrgebiet: [The historic Henrichenburg boat lift](#). The boat lift was opened in 1899 to facilitate the change of elevation in the Dortmund-Ems-Kanal and was in use until 1969. It is part of the Waltrop Lock Park, which also includes a disused shaft lock (from 1912), the new Henrichenburg boat lift (built 1962 and in use until 2005) and a modern ship lock from 1989.



This event has been cancelled! Should you be interested in an activity on Friday, please speak to the local organisers during the conference.

Further Information

Important Places and Links (Regarding the Conference)

- FernUniversität (FeU) in Hagen: [general information and how to get here](#)
- Conference Venue (registration, lunch and talks): FernUniversität, building 2 at Universitätsstraße 11 in 58097 Hagen, Germany ([google maps](#))
- International Office of the FeU: FernUniversität, building 5 at Universitätsstraße 27 ([google maps](#) or [online](#))
- Mercure Hotel Hagen: at Wasserloses Tal 4 ([google maps](#) or [online](#))
- Campus Hotel Hagen: at Feithstraße 131 ([google maps](#) or [online](#))

Places of Interest

- Hagen City Centre (Stadtmitte) – Shopping district of Hagen, still recovering from a severe flooding in summer 2021
- Elbershallen – a former cotton mill with major impact on the economy of Hagen, the site is now a [hub for culture and entertainment](#) with cafés, restaurants and bars that also merit a visit in the evenings, 15min walk from Hagen City Centre
- LWL Freilichtmuseum Hagen – [Beautiful open air museum](#) on whose premises (42 ha) skilled-trade history is displayed and practised, incl. ropemaking, smithing, baking and many more, 16min by bus from Hagen City Centre
- Schloss Hohenlimburg – a very well preserved hillcastle dating back to the 13th century AD, 30min by bus from Hagen City Centre incl. a 15min walk
- Ruine Hohensyburg – the [ruins of the Hohensyburg](#) offer nice walks and panoramic views, not easily accesible by public transport, 25min by car from Hagen City Centre

Public Transport

Busses in Hagen are provided by the Hagener Straßenbahn AG, it is part of the Verkehrsverband Ruhr (VRR). There are bus stops close to the FernUniversität resp. the Campus Hotel, the Mercure Hotel and of course the city centre and central station. Lines serviced and times of departure can be found at the bus stops or using google maps. A single trip costs from 2.90€, depending on your itinerary. Your best option for the conference is to buy the so-called **9€-Ticket**: It is valid for all of July in all local public transport in Germany and costs – as the name suggests – 9€ only. (It is part of a federal policy to make up for the rising energy prices.) The 9€-Ticket can be purchased at any selling point of public transport tickets and also directly from the bus driver.

The bus stops and lines of main interest are:

Hagen Hauptbahnhof (Central Station) – most lines, incl. 515 and 527

Hagen Stadtmitte (City Centre) – most lines, incl. 515 and 527

Hagen Stadthalle (Hotel Mercure) – lines 518, 519, 527

Hagen FernUniversität (FernUniversität/KSW and Campus Hotel) – lines 515, 527, 534

Good to Know

- **Cabs/Taxis** are easy to spot as they are (almost) always of beige colour and have a yellow/black sign reading „TAXI“ on their roof. If the sign's light is lit, it is free to hail – just raise your hand and waive. Prices are regulated and drivers licensed. Uber is not really an option in Hagen, as there are hardly any drivers.
- **Tips** are common and expected in Germany, though it is not as direct a message to not tip as in the US, for instance. 15% for a decent service is adequate.
- **Specific Letters:** The letters ä, ö and ü are called „Umlaute“ and can be replaced by the combinations ae, oe and ue, respectively. The letter ß is called „Eszett“ (as in s-z) and is a traditional ligature of the letters s and z. It is often replaced by the combination ss.
- The **FernUniversität in Hagen (FeU)** is Germany's first distance university and its only public distance university. It was founded in 1974 and is – with approx. 76.100 students and 1.900 members of staff, of which 90 professors – Germany's biggest university. The FeU operates almost 20 university branches, including in Austria, Switzerland and Hungary. Its research focusses (amongst others) on the three key research programmes D²L² (digitalisation, diversity and life-long learning), d_k (digital culture) and EUN (energy, environment and sustainability).