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Editorial



Prof. Dr.-Ing.
Norbert Gronau

Dear Sir or Madam,

while working for the Weizenbaum Institute for the networked society we currently work on a position paper on digital education in the K12 sector for the European Union. We came up with three main demands: Creating appropriate surrounding conditions, improve digital competencies of teachers and foremost, take care that the existing inequality will not grow even more and the distance between educational levels will get even bigger. Our most important resource are educated people. My impression is that federal and state governments could improve their professional conduct regarding this topic!

Best Regards



The ERP Congress 2020 in Frankfurt

It was a conference with top-class speakers from science and practice.

On October 13th and 14th, as a hybrid event with analog and digital stages, the ERP Congress 2020 presented a wide range of concrete methods and practical examples of how users and providers can take the ERP initiative for their company's success in keynotes, expert presentations and practical quick checks. As the heart of the two day event, the best ERP systems of the year were chosen to honor those driving change. Prizes were awarded in the categories of Startup ERP, ERP for the High-Tech Industry, International ERP, Platform ERP, Automotive ERP and SME Special Award. Accompanying the ERP Congress, the ERP Fair was again held, at which selected system providers exhibited.

www.erp-kongress.de

Digital Teaching

The beginning of the year 2020 was marked by the upcoming corona crisis.

The developments associated with this crisis (e.g. bans on public assembly) also posed challenges for university teaching. The goal of the Chairs of Business Information Systems was to offer students the opportunity to achieve their study goals through the usual high quality of teaching, even in these challenging times.

To achieve this, the lectures and seminars offered at summer semester were completely transferred to digital space, allowing all students to attend the courses they had planned and ensuring that their study plans were not affected.

New teaching and exam formats were also tested positively, and the insights gained will be incorporated into the further development of the teaching program.

www.lswi.de/lehre



Further information
and registration for
the Gito events

ICIS 2019

At the 40th International Conference on Information Systems (ICIS) in Munich, the Chair of Processes and Systems published and presented the latest research results on digital platforms and results on the learning behavior of students. The results are part of the research work of the Chair and the Weizenbaum Institute for the networked society. The ICIS is regarded as the world's most important conference for information systems.

www.aisel.aisnet.org/icis2019

Knowledge Modeling

Invited researchers and practitioners from various disciplines at Germany's biggest Business Informatics conference, called WI 2020, contemporary research challenges of knowledge modeling have been identified. A research agenda has been published at the IFKAD (International Forum on Knowledge Asset Dynamics) conference in September 2020.

www.ifkad.org

Continuation of DFG SPP1921

The DFG-funded SPP 1921 "Intentional Forgetting in Organisations" has started its second phase in May 2020. The previous results will be transferred to the factory and administration domain. Our project will investigate the impact of forgetting cyber-physical systems on shop floor workers.

www.spp1921.de



Executive Coaching – new Online course At Udemy

The industry is facing a new age. And like any major change, it confronts companies with major challenges:

What impact do new technologies have on the work of companies? How will they change the market? How can companies use cyber-physical systems, Smart Factory and the Internet of Things, People and Services to be successful?

Answers to these questions are provided in our first online course for managers (in German). Prof. Dr. Gronau, as the link between theory and practice, highlights the advantages and disadvantages of IIoT for companies. Among other things, participants gain insight into the topics: Industry 4.0, manufacturing analytics, sensor technology, robotics and automation technology and IoT infrastructures.

Contact: coaching@lswi.de

<https://www.udemy.com/course/digitalisierung-und-industrie-40/?referralCode=44176036A3C0CBC37A03>

Further funding of the Weizenbaum-Institute

Following a very positive evaluation report, the second funding period for the Weizenbaum Institute starts in September.

In this second funding period, the institute will use the structures established in the first phase to continue to conduct intensive research on various socially and politically relevant topics of the digital transformation.

The Weizenbaum Institute for the Networked Society was founded on September 21, 2017 in Berlin. The Institute prevailed in a multi-level competition for a German Internet Institute and is funded by the Federal Ministry of Research and Education (BMBF).

The Chair of Processes and Systems is represented at the institute with the research group "Education and Training in the Digital Society".

www.weizenbaum-institut.de



weizenbaum
institut

ERASMUS+ Strategic Partnership

In autumn 2020, a new project of the Erasmus+ Strategic Partnership 2020 Program will start at the University of Potsdam with the title "EDUCation for Positive Management". Together with the Chair of Public and Nonprofit Management and with many European partners, we will develop innovative teaching content and formats.

eu.daad.de

New Project API-KMU

The BMBF-funded API-KMU project will start at the beginning of November 2020. The aim is to provide SMEs with age-appropriate, process-oriented and interactive further education through an AR-supported learning and tutoring system. This should enable SMEs to proactively counteract demographic change.

www.lswi.de



Interactive testing environment

AR Headset Evaluation

In order to improve workflows in gas supply, the suitability of AR headsets for various processes was examined. A real-life prototype successfully demonstrated the integration of AR-based assistance systems into the workflows of the maintenance and expansion of the pipeline infrastructure.

www.industrie40-live.de

More space for the Center Industry 4.0 Potsdam

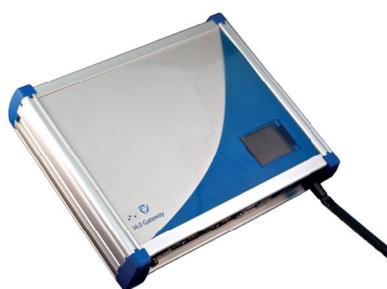
The new construction of the demonstration area of the Center Industry 4.0 Potsdam (ZIP4.0) is progressing.

After the topping-out ceremony and completion of the roof, the interior work will begin shortly. The design is based on a factory hall and forms a further building block for the high immersion of the hybrid, interactive simulation environment for factory processes of ZIP4.0. This will provide more space for the design of interactive scenarios in an industrial context and the effective presentation of new technologies and concepts for the factory of the future. The building is part of the strategic advancement of Potsdam's business information technology and brings together the distributed locations in a representative manner on the grounds of the WI-Villa at Hedy-Lamarr-Platz.

www.industrie40-live.de



New building in Potsdam – construction progress



Industry 4.0 Box in real use



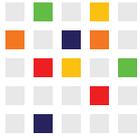
The Industry 4.0 Box in real use in the factory

Using the Industry 4.0 Box, a team from the Chair Processes and Systems implemented a comprehensive monitoring solution for the relevant production objects at the site of Kunststoffverarbeitung GmbH Falkensee (a plastic processing company).

Through the integration of numerous data sources and the aggregating presentation by means of flexible and web-based dashboards, information on the actual status is now immediately available (including energy consumption) as well as the rapid communication of need for action to the responsible employees.

A particular challenge was influenced by the connection within the heterogeneous existing systems. With the Industry 4.0 Box, the injection moulding machines as well as their environment and peripherals now act as a complete system via standard interfaces. In this way, the result is not only a cost-effective implementation of a flexibly scalable monitoring system, but also the foundation for further data analysis and evaluation of future solution for process improvement.

www.industrie40-live.de



Evening reception,
conference participants in the lecture hall

Conference WI2020 in Potsdam

The german-speaking business informatics community met in Potsdam shortly before the corona virus brought public life to a halt.

The inspiring results of are now published as open access proceedings for the first time.

[doi: 10.30844/wi_2020_zt](https://doi.org/10.30844/wi_2020_zt)



New Assistant

Delia Gartenschläger received her Bachelor of Arts degree in English and Polish studies at the University of Potsdam.

Since March 2020 she has been working as an assistant for the chairs of Business Information Systems "Processes and Systems" and "Social Media and Society".



www.lswi.de

Workshop at the WI2020

In the context of the 15th International Business Informatics Congress (WI 2020) that was held at the University of Potsdam, Dr. Fenne große Deters (Weizenbaum-Institute, UP) offered a workshop on the topic "Experimental Research in Information Systems".

The workshop aimed to expand the methodological tool kit of researchers with no or very basic training in experimental methods. It introduced the essentials of planning state-of-the-art experimental research and advantages and disadvantages of different experimental designs were covered extensively. Participants were encouraged to bring their own research questions and to start designing an experiment step-by-step during the workshop.

www.uni-potsdam.de/social-media-krasnova



Dr. Fenne große Deters,
Workshop Participants

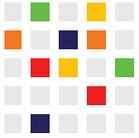
Moderation of the Panel Discussion at the ECIS 2020 Conference

At the European Conference of Information Systems (ECIS 2020), the leading information systems conference in Europe, Dr. Annika Baumann and Dr. Antonia Köster, from the University of Potsdam and research group leaders at the Weizenbaum Institute for the Networked Society, moderated a panel discussion on the topic "To Share or Not to Share: Should Information System Researchers Share or Hoard their Precious Data?".

At the panel discussion Prof. Dr. Hanna Krasnova from the University of Potsdam and the Weizenbaum Institute for the Networked Society, Prof. Michel Avital from the Copenhagen Business School, Prof. Kalle Lyytinen from the Case Western Reserve University and Prof. Matti Rossi from the Aalto University School of Business discussed the challenges of Open Data. Open Data is the provision of qualitative or quantitative research data that is freely available for further use - a topic that is becoming increasingly important against the background of transparency, openness and scientific progress. However, even in the information systems research community, it is not standard practice to share research data publicly. In particular, the results of a study conducted specifically for the panel discussion were included.

Further results of the study and the full panel description can be found in the following report: Köster, A., Baumann, A., Krasnova, H., Avital, M., Lyytinen, K., Rossi, M. (2020) To Share or Not to Share: Should IS Researchers Share or Hoard their Precious Data?, Panel Proposal, European Conference on Information Systems (ECIS 2020).

www.uni-potsdam.de/social-media-krasnova



Gamification for more tree wellbeing!

In cooperation with the d.b.g. Datenbankgesellschaft mbH, a student team developed a concept for a tree app as part of the course Analysis and Conception of IT Systems. The app should enable the recording of tree populations and the documentation of their states. Furthermore, the app should provide users with information and care instructions for urban trees. The motivation for the use and the awareness of the relevance of trees will be increased by game elements. You can access a first version of the project results via mobile at



School Competition

Until November, school classes are invited to work on and document bio-economic questions on various everyday topics. Several works will be awarded and will receive prizes as excursion formats that make the topic of sustainability and bioeconomic change tangible.

challenge.direbio.de



Digital Health Project Mentoring Program

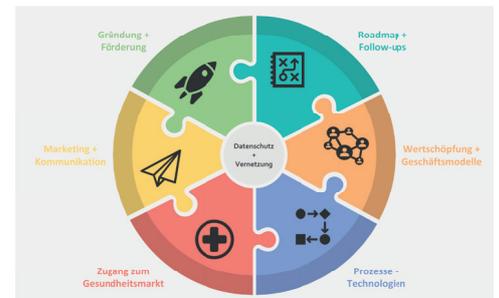
The Chair has successfully started the mentoring program for the winners of the ideas competition as part of the EFRE-supported project "digital solutions made in Brandenburg | digisolBB".

Among the innovative ideas are a patient-centered health file (Data4Life), an app for musical movement feedback (bridgeneers) or an AI application for the pre-diagnosis of rare genetic diseases. With the help of various support formats, the chair is supporting a total of eight digisolBB partners in the development and implementation of suitable digital business models for tomorrow's healthcare industry.

Further information and participation opportunities can be found at

www.digisol-bb.de

Bausteine im Mentoring-Programm



GEOFab Update

From the ZIM innovation network GeoFab, of which our chair is the leading research institution, the second cooperation project with participation of the chair has now been approved.

In the project Mob4Mob, together with the company partner nxtBase Technologies GmbH, a not only mobile but also modular solution is being developed, which enables workers to use industrial AR applications everywhere, even without continuous communication, without being hindered by heavy and bulky devices. Instead, the IoT-Box developed at the chair is to be further developed into a mobile IoT gateway that ensures data exchange.

The GIS2ALCM project, which is being carried out together with A.Fasselt Engineering GmbH, was approved in spring. The aim is a holistic view of the data generated during the life cycle of process engineering plants. To this end, knowledge management methods are to be transferred to the operation of technical plants and the KMDL (Knowledge Modelling and Description Language) is to be extended..

www.geofab.de



GeoFab

Gefördert durch:



aufgrund eines Beschlusses
des Deutschen Bundestages



1-05.03.2021, Stellenbosch University (South Africa)

Prof. Gronau as Visiting Lecturer and Research Fellow for Knowledge Management

9-10.03.2021, Munich

28th Munich Management Colloquium, moderated by Prof. Gronau

9-11.03.2021, Online Event

Wi 2021 - 16th International Conference on Business Informatics, University of Duisburg-Essen, participation by Prof. Gronau

15-16.3.2021, Frankfurt/Main

Meeting of the Intentional Forgetting Research Group with Prof. Gronau

17.3.2021, Bremen

Editor's meeting of the journal Industrie 4.0 Management. Prof. Gronau is co-editor

1.04.2021, Potsdam

Expert workshop on the DFG project Increasing Quality in Knowledge Transfer with Prof. Gronau and Prof. Albers, KIT Karlsruhe

Chair for Business Informatics, esp. Processes and Systems

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Editorial Office Andrea Wollweber

Layout lcdesignbureau.com

Typesetting Wiebke Wegener

Personalia



Clementine Bertheau has been a research assistant at the Chair of Processes and Systems since May 1st. She studied Business Informatics and Digital Transformation at the University of Potsdam. Her focus is in the area of ERP systems. Personally, she is also interested in the digitalization of the public administration, digital business models and knowledge management in multinational organizations.



Marcel Panzer started his work as a research assistant on August 15. He studied mechanical engineering at the KIT in Karlsruhe, majoring in mechatronics and production engineering. He has already gained some practical experience through internships and a first professional station at Siemens. His research focus at the Chair is the area of factory software.

www.lswi.de

HandsOnCamp Haptic Thinking

Haptic thinking includes practical methods in which tacit knowledge and skills are brought into 3D space by modeling with the hands. It is thus made accessible to all persons and offers extended forms of perception, group understanding, idea development and verbal communication on the subject of discussion. In the future, haptic approaches will increasingly find their way into entrepreneurial and participatory contexts, as they take up current developments in the direction of gamification and the creation of transparency. During the event, which lasted several days, several method experts presented the wide range of haptic approaches and their possible applications: LEGO Serious Play®, Playmobil-PRO®, scenario modelling, sound painting, rapid prototyping, AR/VR, DeBriefingCube, stakeholder mapping and many more.



<http://handsoncamp.direbio.de>



(25.-26-10.2019)

Youth fire departments and drone flight

Together with three Potsdam youth fire departments, the first city championship in drone flight was held at the Potsdam main fire station.

In the run-up to the championship, the chair, in cooperation with the Wissenschaftsladen Potsdam e.V., trained the young people over several weeks in flight theory, flight practice, emergency scenarios and drone technology. The background is to familiarize the future generation of firefighters at an early stage with the operational potential and team requirements of drones in the emergency services.

KO-Battle, enthusiastic young guests



www.wissenschaftsladen-potsdam.de