

31st International Conference *Interdisciplinary Information Management Talks (IDIMT 2023)*

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The *Interdisciplinary Information Management Talks (IDIMT)*³ conference is traditionally organized by the Department of Systems Analysis of the Faculty of Informatics and Statistics at the Prague University of Economics and Business, in co-operation with Johannes Kepler University Linz.

This year's 31st IDIMT conference took place from 6 to 8 September 2023 in the heart of Hradec Králové in the historic New Adalbertinum building, which was built according to the project of the architect Paul Ignatius Bayer between 1671 and 1710 as the seat of the Jesuit Order and as its dormitory for the Hradec Králové region. The main theme of this year's edition was "New Challenges for ICT and Management". The conference attracted papers from a total of 128 authors, with 42 submitted papers being accepted together with twelve invited papers. The authors come from ten different countries: Austria, Croatia, Czech Republic, Germany, Greece, Hungary, Palestine, Slovakia, Slovenia and Sweden. Two years of the COVID-Pandemic have taught us to handle and to overcome much of its impact and negative effects on all aspects of our lives. Digitalization, technology in general, and redirected scientific research played an important role in this recovery of science, research, society, business and economy, as demonstrated in this volume.

The conference was opened for the first time by Michael Sonntag from Johannes Kepler University in Linz. During the plenary session, the chairs of the main nine sessions then met to discuss a current issue of our time, namely artificial intelligence, large language models (like ChatGPT) and their possible applications and implications for the future of scientific conferences. It was agreed e.g. that some uses of AI in a research paper might be perfectly acceptable and not even require disclosure (like spell checkers), some might need to be made obvious to reviewers as well as readers (e.g. a summary created automatically, language "polishing", data evaluation – whether marked individually like a reference or globally like a disclaimer at the end remained unclear), while some are at least currently unacceptable (writing complete sections of the paper – here again drafts, material collection etc. might have to be handled differently). Another aspect discussed was whether/how such "artificial" contributions might be recognized and if unenforceable (because of e.g. undetectability) prohibitions are a good strategy.

We have chosen the following nine topics for 2023 IDIMT sessions:

- Crisis Management and ICT (Georg Neubauer, Karin Rainer),
- Cyber Security (Michael Sonntag),

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³ More detail information about the conference at: <<https://idimt.org>>.

- Virtual Collaboration, Teaching & Learning (Anne Jantos),
- Autonomous Vehicles and Smart Environments (Erwin Schoitsch),
- Management of ICT Systems (Petr Doucek),
- Social Media (Antonín Pavlíček),
- Digital Transformation of Supply Chain Management (Radoslav Delina),
- Ethical Aspects of Working with Data (Anton Lisnik),
- Special session: Early Career & Student Showcase (Michael Sonntag).

The nine sessions of the conference were divided into two parallel streams, which started after the plenary session. The topics of the sessions covered a wide range of issues with which the discipline of information management is associated today – the main theme being the challenges for ICT in the post-Covid era and the associated expectations. The plenary session was immediately followed by the PhD session, where PhD students presented the contents of their intended dissertations and discussed the ideas and intentions of these with the conference participants. The most attended session was the one on "Digital Transformation of Supply Chain Management". The topic is relevant nowadays, as it reflects the European Union's efforts to transfer the processes of both business and state and public administration into cyberspace. The reflection is evident both in the EU 2030 strategy and its elaboration on the conditions of the Czech Republic and other Member States. Among the traditionally well-attended sessions was the section "Cyber Security". Its relevance is permanent, but currently the main areas of discussion are two EU directives - "NIS2" and "DORA" and their impact on business companies and public and state administration. The general economic and political situation has fed the topic "Crisis Management and ICT", where presenters addressed issues related to crises and scenarios for their course and resolution. The role of information systems and the different aspects of their management and integration into current affairs. Issues related to digital transformation, security, the impact of new international standards to the deployment of chatbots in the teaching process were the focus of the session "Management of ICT Systems". Friday's conference programme was significantly enlivened by two topics, namely the session "Ethical Aspects of Working with Data", which reminded participants that ICT is not just zeroes and ones, technical devices and networks, but also the ways we work on and with them. However, to work with ICT we need educated people and preferably young people. The topic of pedagogy and the deployment of ICT for education was the subject of the session "Virtual Collaboration, Teaching & Learning". The session, although short, provided interesting insights.

Overall, the conference was an important opportunity for ICT and management professionals to best share their knowledge, develop new practices and also plan future collaborations. This year's meeting was particularly challenging in the current era of expected digitalization and a sharp increase in work demanded. And this means, above all, increased pressure on the requirements of IT as well as its staff and employees. We will therefore look forward again to the next IDIMT conference to see what new things it will bring. The event will traditionally take place next year in September 2024. For more information about the conference and previous editions, please visit the website: <<https://idimt.org>>.

As a result of the conference, besides the presented results of the scientific work, the collaboration between Prague University of Economics and Business, Johannes Kepler University Linz and other universities, which were represented in the wide plenary of participants, was deepened.

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