

Minds, Media, Machines Newsletter

May 2022

Dear MMM members,

We hope this years' summer term has started well for all of you!

We are happy that we finally had the chance to meet many of you in person at our recent in-person retreat (see below). With this newsletter, we would also like to take the opportunity to provide you with information on upcoming events, funding calls, and further science developments.

With kind regards,

Hanna Voudouri & Dennis Küster
(MMM Office)

MMM Retreat at Etelsen Castle

Many thanks to all MMM-members who contributed to our successful 2022 retreat from April 22-23 at Etelsen castle! As we look back on a very successful year 2021, it was great to be able to finally see each other again in person, interact, and discuss. Together, we experienced a very positive and constructive climate, in which we reflected on our strengths and achievements as well as upcoming challenges and opportunities for the further development of our interdisciplinary high-profile area. Beyond this, we hope that all participating members achieved their individual and collective goals for making new connections and strengthening our internal collaborations.



Intensive discussions among MMM-members in the "Prunksaal" of Etelsen Castle.

Latest MMM Science News

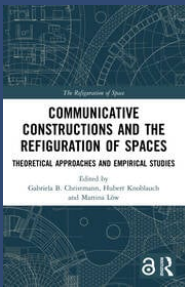


DGPuK Annual Meeting 2023, May 18-20, 2023, ZeMKI, University of Bremen

In 2023, the German Society for Journalism and Communication Studies (Deutsche Gesellschaft für Publizistik- und Kommunikationswissenschaft) invites its members to its annual conference in Bremen. The conference will deal with the current topic "Automation of Communication and Automated Media. Communication and media science questions and answers" ([link](#)).

Bremen Big Data Challenge 2022

We are pleased to invite you to the BBDC 2022 Awards Ceremony taking place on Friday, May 13 from 14:00 - 16:00 in the Rotunde at the Cartesium on the campus of the University of Bremen. In the award ceremony, we will honor the top 5 teams of the BBDC. Afterwards, we can continue to talk and discuss solutions and ideas over coffee and cake. For more information, please visit: bbdc.csl.uni-bremen.de



New chapter by Prof. Dr. Andreas Hepp: "Digital media, data infrastructures, and space: The refiguration of society in times of deep mediatization"

The [open-access chapter](#) appears in the volume "Communicative Constructions and the Refiguration of Spaces. Theoretical Approaches and Empirical Studies," which contributes to research on pioneer journalism. The entire volume is open to the public.

15th International Workshop on Boolean Problems

September 22-23, 2022, Bremen, Germany

Chaired by Rolf Drechsler, this international workshop addresses the scientific exchange on problems related to Boolean logic and Boolean algebra. It also includes problems of a discrete mathematical nature. For further information, see: www.informatik.uni-bremen.de/iwsbp/



Science Policy and News

"ERC Advanced Grants 2021" awarded

More than 250 leading researchers have been selected for an "ERC Advanced Grant" in 2021. Most of them (61 researchers) work at institutions in Germany. Out of 1,735 applications, just under 21 percent were submitted by women, about one percent fewer than in the 2020 application round ([link](#)).

Upcoming changes to the DFG "Fachkollegien"

The DFG is updating the [structure of its review boards](#). With the subject structure for the coming term of office of the review boards, the Senate of the Deutsche

Forschungsgemeinschaft (DFG, German Research Foundation) made an important decision for the review board elections in fall 2023. The subject structure provides the framework for the process to draw up the list of candidates and for the work of the review boards from 2024 to 2028.

4.00	Materialwissenschaft	4.00-01	Herstellung und Eigenschaften von Funktionsmaterialien	14. Oktober 2023
		4.00-02	Biomaterialien	4
		4.00-03	Thermodynamik und Kinetik sowie Eigenschaften der Phasen und Gittere von Werkstoffen	2
		4.00-04	Computergetriebene Werkstoffherstellung und Simulation von Werkstoffverhalten von atomistischer bis makroskopischer Skala	2
4.01	Systemtechnik	4.01-01	Automatisierungstechnik, Mechanismus, Regelungsstrukturen, Intelligente Technische Systeme, Roboter	14
		4.01-02	Messsysteme	4
		4.01-03	Mikrosysteme	2
		4.01-04	Verkehrs- und Transportsysteme, Intelligenter und automatisierter Verkehr	2
		4.01-05	Arbeitswissenschaft, Ergonomie, Mensch-Maschine-Systeme	2
		4.01-06	Biomimetische Systemtechnik	2
4.02	Elektrotechnik und Informationstechnik	4.02-01	Elektronische Halbleiter, Bauelemente und Schaltungen, Integrierte Systeme, Sensoren, Transceiver, Datenkommunikation	14. Oktober 2023
		4.02-02	Kommunikationstechnik und -netze, Hochfrequenztechnik und elektronische Systeme, Signalverarbeitung und drahtlose Kommunikation für die Informationsverarbeitung	4
		4.02-03	Elektronische Energietechnik, Power Management, Leistungselektronik, elektrische Maschinen und drives	3
		4.02-04	Hardwarestrukturen und architekturelle Grundlagen für die Informationsverarbeitung und die Künstliche Intelligenz, Quantentechnische Systeme	2
		4.02-05	Theoretische Informatik	21. Oktober 2023
4.03	Informatik	4.03-01	Sicherheitsentwicklung und Programmiersprachen	4
		4.03-02	Sicherheit und Verlässlichkeit, Software, Kommunikation- und verteilte Systeme	3
		4.03-03	Künstliche Intelligenz und Maschinelle Lernverfahren	4
		4.03-04	Bild- und Sprachverarbeitung, Computergraphik und Visualisierung, Human Computer Interfaces, Virtual und Mixed Reality Computing	2
		4.03-05	Datenmanagement, Datenbanksysteme, Informationssysteme, Informationsretrieval in der Informationsverarbeitung	4
		4.03-06	Rechnerarchitekturen, eingebettete und massiv parallele Systeme	2

Funding Opportunities (Selected Calls)

DFG

Recall that the DFG has a [special low-threshold program for funding refugee researchers](#) who have fled their home countries by making it easier for them to join research projects and apply for funding under the Walter Benjamin Programme.

The DFG has updated the [guidelines for project proposals](#) (form 54.01) within the scope of a Material Grant, the Emmy Noether Program, a Research Group, a Clinical Research Group or a Priority Program. On a transitional basis, applications will be accepted according to the previous versioning only until **May 31, 2022**.

BMBF

„Resilienz – Widerstandsfähige digitale Systeme“. The BMBF aims to lay the foundations for future resilient digital systems. To this end, this call supports research and development of new technologies and methods for communication systems with which resilient digital systems can be realized. Project outlines must be submitted by **June 6, 2022** at the latest ([link](#)).

Horizon Europe

- **Pushing the limit of physical intelligence and performance** (RIA; deadline: November 16, 2022; [link](#)). Proposal results are expected to contribute to robots with advanced physical functionalities / robots with greatly improved intrinsically safe and efficient human-centric human-robot [...] interaction capabilities / robots with improved abilities and robustness [...] to run autonomously for longer periods of time while maintaining trustworthiness and dependability.
- **AI for human empowerment** (RIA; deadline November 16, 2022; [link](#)). Build the next level of perception, visualisation, interaction and collaboration between humans and AI systems working together as partners to achieve common goals, sharing mutual understanding and learning of each other's abilities and respective roles.
- **European Network of AI Excellence Centres**: Expanding the European AI lighthouse (RIA; deadline November 16, 2022; [link](#)). This initiative contributes to the initiative started in H2020 to develop a vibrant European network of AI Excellence Centres. To complement and extend this initiative the proposals should create a network of excellence for **Next Generation AI [...] complementing the previously selected Networks of Excellence centres** (either in H2020-ICT48, or the first calls for Networks of Excellence Centres in Horizon Europe).
- **Improved monitoring of threats, intrusion detection and response in complex and heterogeneous digital systems and infrastructures** (IA; Deadline November 16, 2022;

[link](#)). Europe is in the midst of a digital transformation. Digital technologies are profoundly changing our daily life, our way of working and doing business, and the way people travel, communicate and relate with each other.

Early Career Researchers, Gender, and Equality

EASE Fall School

The [EASE Fall School 2022](#) will take place from 19th to 23rd September 2022 in the facilities of the Institute for Artificial Intelligence in Bremen. The EASE Fall School 2022 Application is open and accessible via this [online form](#).



The University of Bremen provides information on Gender Equality Plan

From 2022, institutions applying for funding by the Horizon Europe Framework Programme for Research and Innovation 2021-2027 must have a Gender Equality Plan (GEP) or an equivalent strategy to strengthen equal opportunities. The University of Bremen already fully complies with the requirements. A [dedicated website](#) provides a wide range of information on the topic of gender equality and its implementation at the University of Bremen.

Kids' University: Online Lectures and Workshops on Campus

The University of Bremen invites to the [Kids' University](#) from **May 30, to June 7, 2022**. Girls and boys between the ages of 8 and 12 can discover exciting areas of research together with scientists – on campus and digitally.



MMM Office | High-Profile Area Minds, Media, Machines; Email: mmm@uni-bremen.de

Dr. Hanna Voudouri; room 3.15, Cartesium, Phone +49 421 218-64276; Email: voudouri@uni-bremen.de

Dr. Dennis Küster; room 3,14, Cartesium, Phone: +49 421 218-64266; Email: kuester@uni-bremen.de



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