

Dear members and friends of the CRC 1461,

we are happy to present the first newsletter of the new year 2023! Of course, some things don't change: Please continue to keep us updated with news you would like to see published on the [news-section](#) of the homepage or in the quarterly newsletter, including events, honors and awards, exciting science news and so on. Btw, our publication counter seems to be stuck since the last newsletter! Please remember to inform Sonja about your publications and conference contributions.

ATM B3/C1/C7 in Ilmenau

With their concept of having three ATMs in three days Ilmenau-based scientists of the subprojects B3, C1 and C7 offered the possibility to learn more about their research performed at the TU Ilmenau, one of the CRC's partner institutions. Anna Linkenheil, Vishal Gubbi and Kalpan Ved with the support of their PIs Claudia Lenk, Martin Ziegler and Tzvetan Ivanov provided a perfect mixture of lectures to set a theoretical foundation, practical exercises and social interaction. Five doctoral researchers representing all three project areas from Kiel, Hamburg (DESY) and Bochum participated in the ATM, thus making this ATM truly interdisciplinary. The following topics were covered during the ATM: "MEMS, thin film fabrication memristive device stack", "Electrical memristor characterization", "Neuromorphic theory - bioinspired sensing", and "FPGA & sensor characterization". A highlight of the ATM surely was a visit of the [Center of Micro- and Nanotechnologies](#), the largest technological center at TU Ilmenau. The center encompasses analytical systems down to atomic resolution, photo- and nanolithography, thinfilm deposition and etching as well as assembly and packaging technologies

and an S1 bio-laboratory. In the end, each participant received a personalized wafer as their attendance certificate.



From left to right: Alena Nierhauve, Roshani Madurawala, Dijana Pavleska, Kalpan Ved and Anna Linkenheil at the clean room facilities of TU Ilmenau



Another highlight: the traditional hike of the Kickelhahn mountain that is said to ensure success in your studies!

From left to right: Kalpan Ved, Sonja Reich, Dijana Pavleska, Vishal Gubbi, Folke Rolf, Roshani Madurawala, Alena Nierhauve, Sahitya Yarragolla and Anna Linkenheil on their way up

Summer School News

The **Summer School 2023** is our first international summer school planned as a joint event with our colleagues from [CogniCron](#), University of Groningen, the Netherlands. Your organizers are Maxi Noll (B1, CAU) and Rouven Lamprecht (C1, CAU) with the support of Sonja Reich and two doctoral researchers from Groningen with the support of Jasper van der Velde. The date for this year's Summer School is already set (see "Upcoming Events" below). Currently, the organizers are fixing a location and working on the agenda. We will keep you posted!

Upcoming Events

Feb. 09, 2023 ATM A1/A4 (CAU Kiel): *Functional Imaging in Neurobiology*

Feb. 10, 2023 iRTG-workshop: Stressmanagement (Seeburg, Kiel)

Feb. 23, 2023, 16:00 h CRC 1461 Colloquium: *Hippocampal network oscillations – patterns, mechanisms and potential 'meaning' of cooperative neuronal activity* – Andreas Draguhn (University of Heidelberg)

Mar. 07, 2023, 11:00 h Meeting of the CRC management board (online)

Apr. 24 - 26, 2023 **CRC Spring Retreat: IMNeuS23 in Münster**

Jun. 12 - 15, 2023 **Summer School**

Cheers, Sonja, Leonie and Hermann

SFB 1461