

Dear members and friends of the CRC 1461,

feedback has been sparse and time is precious...therefore, we decided that the CRC-Newsletter will be published quarterly instead of a monthly from now on. To account for all the news that would get lost on the way, Sonja revived the news-section on the CRC-homepage - [Check it out.](#)

Some things don't change: Please continue to keep us updated with any news you would like to see published on the homepage or in the quarterly newsletter, including events, new publications, honours and awards, exciting science news and so on.

### First International Workshop "Bio-inspired Information Pathways"

The first International Workshop "Bio-inspired Information Pathways" by the CRC 1461 in collaboration with partners from CogniCron, University of Groningen, the Netherlands started on Sep. 5 with an icebreaker event at Kiel University. The event included the remote kick-off talk "Fungal Neuroscience" by Andrew Adamatzki (UWE Bristol), a poster session by doctoral researchers from both the CRC and from Groningen and an exhibition by the SOP of the CRC 1461. A total of 85 participants met and mingled at the event, engaged in discussions at more than 30 presented posters and was pleasantly surprised by a food truck. The SOP-exhibition comprised science outreach materials, such as augmented reality posters and VR-applications, on several research topics of the CRC as well as an insight in the student laboratory program [click!:labor](#).

For 72 scientists the event continued the next day with a mini-conference-cruise on the Color Fantasy on its way from Kiel to Oslo and back to Kiel. The conference program was of excellent scientific quality thanks to the seven renowned invited speakers who joined from seven different countries and four different continents. The conference took off with a warm welcome by spokesperson Hermann Kohlstedt, followed by the talks "Material Learning in Dopant Network Processing Units" (Wilfred G. van der Wiel, University of Twente, The Netherlands / University of Münster, Münster, Germany), "Neuromorphic Dynamics and Information Processing in Nanowire Networks" (Zdenka Kuncic, University of Sydney, Australia) and "Organic Neuromorphic Electronics for Learning and Bio-interfacing" (Paschalis Gkoupidenis, MPI Mainz, Germany). The next morning Matthew Cook (ETH Zürich, Switzerland) kindly filled in for a cancelled talk before the arrival in Oslo, Norway. During the afternoon the participants then enjoyed the talks "Life at the Edge: Complexity and Criticality in Biological Function" (Dante R. Chialvo, Universidad Nacional de San Martin, Argentina), "Nanoscale Ion Transport: A Bio-inspired Machinery" (Paul Robin, Sorbonne Université, Université Paris-Cité, France) and "Criticality in Self-Organised Nanoscale Networks" (Simon Brown, University of Canterbury, Christchurch, New Zealand).

The program was designed to leave room for the participants to get to know each other and exchange ideas. The ferry offered a unique setting for everyone to deeply engage in scientific discussions without the distractions of everyday life. After the arrival back in Kiel on Sep. 8, 2022 the feedback was overwhelmingly positive and we are looking back to very productive days resulting in fruitful international collaborations.

Check out some photos from the icebreaker (@ Julia Siekmann) and from the Color Line conference (@ Sonja Reich) on page 2 of the newsletter!

### CRC-News...

**Newsletter-Correction!** The final grade for the Summer School 2022 was not 1,8 as published in the last newsletter, but 1,6 - sorry for the mistake!

**ATM "Quanolis"** (A2/A3) currently takes place at the Institute of Physiology at CAU Kiel (Oct 17 - 20, 2022). Read more on this ATM in the CRC-News (homepage) soon. Furthermore, we are looking forward to the first ATM outside of Kiel as subprojects B3, C1 and C7 offer "three ATMs in three days" at the TU Ilmenau in November 2022.

**Videos of CRC-colloquia** will from now on only be published on the CRC-homepage and not in OLAT (because memory capacity is limited and users have been asked to delete large files).

### Upcoming Events

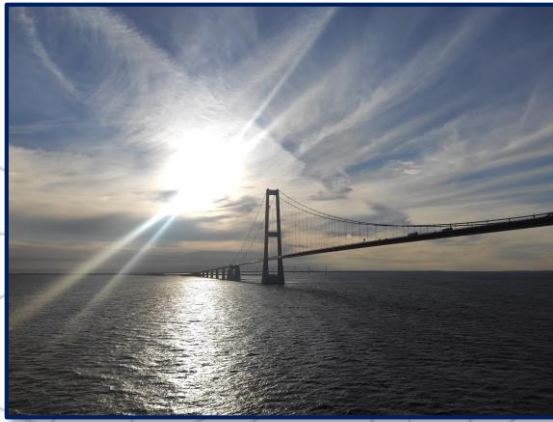
Oct. 27, 2022, 16:00 h CRC 1461 Colloquium: *The Rich Dynamics of Globally and Nonlocally Coupled Oscillators* – Katharina Krischer (TU Munich)

Oct. 28, 2022 **DEADLINE** for your contributions to the CRC Fall Retreat!

Nov. 02 - 06, 2022 InfinityDome - SOP at the Nordic Film Day Lübeck

Nov. 09 - 10, 2022 **CRC Fall Retreat (Online), incl. the General Assemblies of PIs and iRTG**

Nov. 15 - 17, 2022 ATM B3/C1/C7 (TU Ilmenau): "Three days, three ATMs!"



CRC 1461 - Publication Performance	
Journal papers (peer-reviewed)	27
Conference papers (peer-reviewed)	10
Conference contributions	40
<b>Total</b>	<b>77</b>



Cheers,  
 Sonja, Leonie and Hermann

# SFB 1461