



TENTATIVE PROGRAM (as of 08/10/2024)

TUESDAY (08/10/2024)

13:00 – 14:00: Registration

SESSION 1 TOPIC: AOS

14:00 – 14:45: **Stephane Mangin** (Université de Lorraine, France)

Ultra-fast all optical switching in spintronic devices

14:45 – 15:30: **Bert Koopmans** (Eindhoven University of Technology, The Netherlands)

Photonic Integration from a spintronic and magnetic perspective

15:30 – 16:15: **Ganping Ju** (Seagate Technology, USA)

HAMR and Beyond?

16:15 – 16:45: *Coffee Break / Poster Session*

SESSION 2 TOPIC: ALTERMAGNETS

16:45 – 17:30: **Libor Smejkal** (Mainz University, Germany)

Altermagnetism and beyond: spin symmetry prediction and experimental evidence

17:30 – 18:15: **Rostislav Mikhaylovskiy** (Lancaster University, UK)

Terahertz coherent magnonics in canted antiferromagnets

18:15 – 19:00: **Yuriy Mokrousov** (FZ-Juelich, Germany)

Orbital Magnetism By Light

WEDNESDAY (09/10/2024)

SESSION 3 TOPIC: NEUROMORPHIC

09:00 – 09:45: **Johan Mentink** (Radboud University, The Netherlands)

Neuromorphic Computing for Science

09:45 – 10:30: **Giovanni Finocchio** (University Messina, Italy)

Neuromorphic and probabilistic computing with spintronic devices

10:30 – 11:15: **Katrin Schultheiss** (Helmholz-Zentrum Dresden, Germany)

Neuromorphic Magnonics

SESSION 4 TOPIC: POSTERS

11:15 – 12:00: *Poster Session*

12:00 – 13:00: *Cocktail lunch*

SESSION 5 TOPIC CHALLENGING THE LIMITS (TIME, ENERGY, TIME VS ENERGY)

13:00 – 13:45: **Ricardo Sousa** (SPINTEC, France)

Precessional all optical switching and deterministic switching outlook

13:45 – 14:30: **Jeff Bokor** (University of California, Berkeley, USA)

Ultrafast on-chip spintronics

14:30 – 15:15: **Sangeeta Sharma** (Max Born Berlin, Germany)

Femtosecond dynamics of quantum materials

15:15: **GA Meeting**

Time to visit Barcelona

20:30: COMRAD2024 Conference dinner - - [CAN TRAVI NOU](#)

Final C/ Jorge Manrique s/n

08035 Barcelona

Nearest metro stop (10 minutes walk) Montbau - Underground Line 3

Nearest metro stop (10 minutes walk) Horta - Underground Line 5

Google Maps - [More info](#)

THURSDAY (10/10/2024)

SESSION 6 TOPIC SUPERCONDUCTING SPINTRONICS

09:00 – 09:45: **Chiara Ciccarelli** (University of Cambridge, UK)

Non-equilibrium effects in superconducting thin films probed by time-domain THz spectroscopy

09:45 – 10:30: **Oleg Mukhanov** (SeeQC, USA)

Superconducting electronics and spintronics for energy-efficient computing

10:30– 11:00: *Coffee Break*

11:00 – 12:00: **Final Discussion** (chair: **Alexey V. Kimel**)

12:00– 13:00: *Closure/Cocktail Lunch/Departure*