



Workshop of Current Topics in Neural Data Science

16.08. - 19.08.2022

Neural Data Science

Georg-August Universität Göttingen

Herr Prof. Dr. Ecker

Aims

1. Knowledge exchange, investigation, and discussion around the topic Neural Data Science
2. Formation of collaborations

Schedule

Tuesday, 16.08.2022


07:00 – 17:00 Travel
17:00 – 18:00 Reception, Details about schedule
18:00 – 19:00 Dinner
20:00 – 21:30 Keynote Alexander Ecker "Neural Data Science"

Wednesday, 17.08.2022

08:00 – 09:00 Breakfast
09:00 – 10:40 Scientific introduction into the measurement apparatus of Schneesfernerhaus
10:40 – 11:00 Coffee break
11:00 – 12:30 Talk Sebastian Troue: "Digital Holography"
13:00 – 14:00 Lunch
14:00 – 14:50 Talk Marissa Weis: "Object-Centric Visual Representations"
14:50 – 15:40 Talk Laura Pede: "Neuronal Morphologies"
15:40 – 16:00 Coffee break
16:00 – 16:50 Talk Ayush Paliwal: "Quantum Field Theory"
16:50 – 17:40 Talk Polina Turishcheva: "Computational Neuroscience"
18:00 – 19:00 Dinner
20:00 – 21:30 Keynote Andreas Tolias: "Computational and Systems Neuroscience"

Thursday, 18.08.2022

08:00 – 09:00 Breakfast
09:00 – 09:50 Talk Jan Schneider:
"Representation Learning and Segmentation of Point Clouds"
09:50 – 10:40 Talk Fabio Seel: "Tracking of Particles"
10:40 – 11:00 Coffee break



11:00 – 11:50 Talk Timo Lüddecke: "Self-Supervised Learning"
11:50 – 12:40 Talk Sharmita Dey:
"TCN-based real-time foot kinematics prediction system"
13:00 – 14:00 Lunch
14:00 – 14:50 Talk Richard Vogg: "Monkey Tracking"
14:50 – 15:40 Talk Michaela Vystrčilová: "Retina Circuit Modeling"
15:40 – 16:00 Coffee break
16:00 – 17:40 Discussion forum "Current Topics in Neural Data Science"
18:00 – 19:00 Dinner
20:00 – 21:30 Keynote Martin Ritzert: "Graph Neural Networks"

Friday, 19.09.2022

08:00 – 09:00 Breakfast
09:00 – 10:00 Summary of results
10:00 – 20:00 Travel