NeuroExp 2025 – Program

Program (draft)

Day 1 (19th February 2025, TU Main Building, Room H3503)

Time	Author	Title
12:00 – 12:15		Registration (coffee)
12:15 – 12:30		Welcome
12:30 – 13:15	**Peter Schulte (Umea)**	**Representations in the Brain: Asking the Right Questions**
13:15 – 14:15	**Mazviita Chirimuuta**	**Neuromorphic Computing and practical Medium Independence**
14:15 – 14:45		Break (snacks)
14:45 – 15:30	**Violetta Manola (Athens)**	**Integrated Explanatory Models In Cognitive Neuroscience**
15:30 – 16:15	**Anna van Oosterzee (Utrecht)**	**Clustering Models in Psychiatry: Practical Tools or Path to Natural Kinds?**
16:15 – 16:30		Break
16:30 – 17:30	**Matteo Colombo (Tilburg)**	**Degrees of Freedom in Brains and Computers**
19:00 - late		Workshop dinner (Vaust, Pestalozzistr. 8)

Day 2 (20th February 2025, TU Main Building, Room H3503)

Time	Author	Title
09:30 – 10:30	**Holger Krapp (ICL)**	**Do mechanistic and computational explanations provide necessary conditions for the understanding of cognition?**
11:30 – 10:45		Break
10:45 – 11:30	**Alexander Hölken (Bochum)**	**Multi-scale dynamics and non-mechanistic causal explanations in the cognitive sciences**
11:30 – 11:45		Break
11:45 – 12:45	**Fatma Deniz (TU Berlin)**	**Natural Language Representations in Humans and Machines**
12:45 – 14:30		Lunch (on location)
14:30 – 15:15	**Oron Shagrir (Jerusalem)**	**The Challenge of Miscomputation**
15:15 – 15:30		Break
15:30 – 16:15	**David Barack (UPenn)**	**Recurrent Neural Networks as Explanatory Models**
16:15 – 16:30		Break
16:30 – 17:30	**Grace Lindsay (NYU)**	**Developing 'Neural Systems Understanding' (online)**

Day 3 (21st February 2025, TU Main Building, Room H3503)

Time	Author	Title
09:30 – 10:30	**Jonathan Najenson (Bochum)**	**Mapping memories: Can we reconcile the spatial and mnemic conceptions of the hippocampus**
10:30 – 10:45		Break
10:45 – 11:30	**Anastasia Garbayo (Valencia)**	**Where Representation Begins: From Perceptual Constancies to Memory**
11:30 – 11:45		Break
11:45 – 12:30	**Matej Kohar (TU Berlin)**	**Lessons from the Locusts: The Heuristic and Individuative Role of Representational Content**
12:30 – 14:15		Lunch (on location)
14:15 – 15:00	**Beate Krickel (TU Berlin)**	**Integratable or incompatible? Different explanatory approaches in cognitive neuroscience**
15:00 – 15:15		Break
15:15 – 16:15	**Markus Werkle-Bergner (Max Planck Berlin)**	**Brain Maturation and Memory Development: Approaches to Study Their Interconnections**

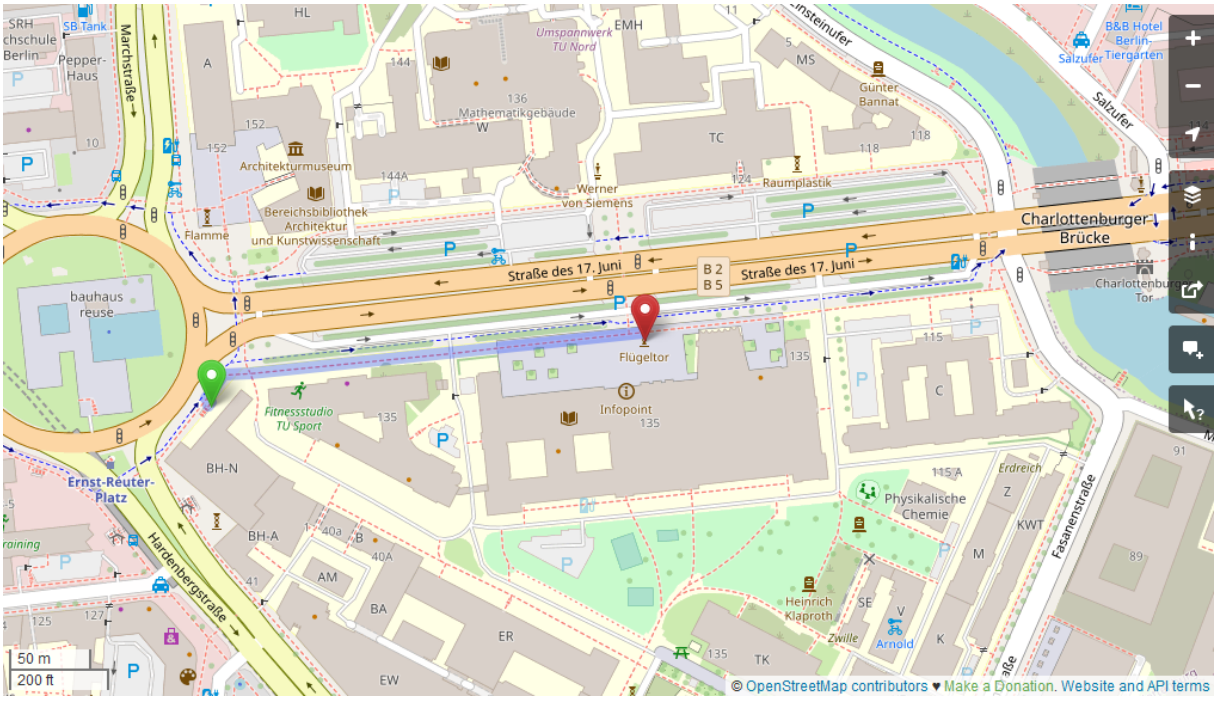
Location

The main building of the TU Berlin is located on Straße des 17. Juni 135. The nearest public transport stops are Ernst-Reuter-Platz (U2 line) and Tiergarten (S3/S5/S7/S9 lines). From the Ernst-Reuter-Platz stop, walk on Straße des 17. Juni. The main building is on your right. From the Tiergarten stop, walk on Straße des 17. Juni. Cross the canal and look for the main building on your left. Once inside, signposts will guide you to the room. Alternatively, follow the directions provided at this link: https://alterlesesaal.carrd.co/

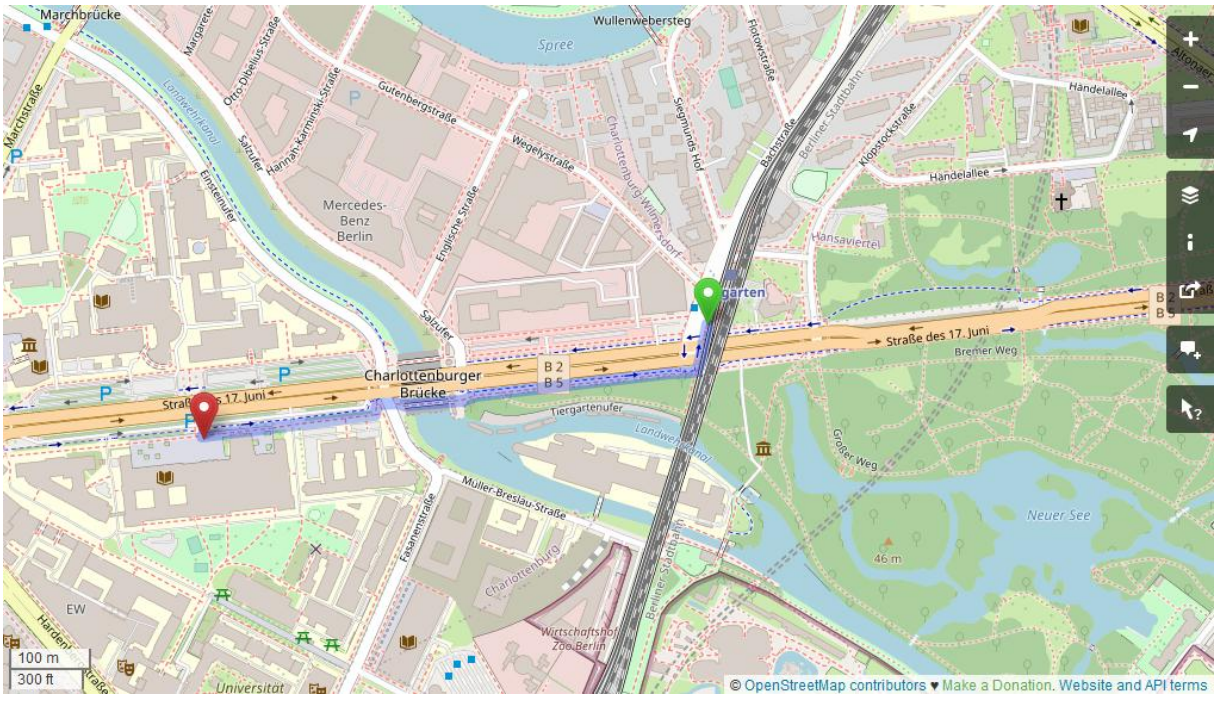
Internet Access

Eduroam is available in all TU locations. In case you cannot use eduroam, “FreeWiFi”, an unencrypted network provided by the Berlin state government is also available.

Maps



U Ernst-Reuter-Platz to TU Berlin



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