

Monday, September 2 , 2024 (Conference Day 1)

9:00 – 09:40: Conference opening: Paolo Dario’s intro talk (Room Neue Aula)

09:40 - 10:30: Plenary speaker 1: Shoji Takeuchi (Room Neue Aula)

10:30 – 11:00: Coffee break

11:00 – 12:15: Parallel oral sessions (talks: 10 min + 2 min Q&A)

- [Exoskeletons and exosuits] EE-MO2 (Room HS1)
- [Neural control of movement and biomechanics] NC-MO2 (Room HS4)
- [Surgical and medical robotics] SR-MO2 (Room HS7)
- [Bionic prostheses] BP-MO2 (Room HS8)
- [IEEE RAL Session 1 of 2] RAL1-MO2 (Room HS9)

12:15 – 14:00: Lunch break

14:00 - 14:50: Plenary speaker 2: Helen Huang (talk: 40 min + 10 min Q&A) (Room Neue Aula)

14:50 – 15:10: Keynote innovator 1: Hugh Herr (Room Neue Aula)

15:10 – 15:40: Coffee break

15:40 – 17:00: Poster session 1 (40 posters) (3 finalists)

17:00 – 18:15: Parallel oral sessions (talks: 10 min + 2 min Q&A)

- [Forum on Bionic prostheses – Prof Christian Cipriani] FO-AF2 (Room HS14)
- [Exoskeletons and exosuits] EE-AF2 (Room HS1)
- [Neural control of movement and biomechanics] NC-AF2 (Room HS4)
- [Soft robotics] SR-AF2 (Room HS7)
- [Haptics] HP-AF2 (Room HS6)

18:30: Opening Ceremony at the conference venue (Courtyard)

Tuesday, September 3 , 2024 (Conference Day 2)

09:00 - 09:50: Plenary speaker 3: Aude Billard (Room Neue Aula)

09:50 – 10:10: Keynote innovator 2: Robert Riener (Room Neue Aula)

10:10 – 10:40: Coffee break

10:40 – 12:00: Parallel oral sessions (talks: 10 min + 2 min Q&A)

- [Exoskeletons and exosuits] EE-MO3 (Room HS5)
- [Neural control of movement and biomechanics] NC-MO3 (Room HS6)
- [Micro/nano robotics] MN-MO3 (Room HS4)
- [Human-machine interaction and assistive robotics] HM-MO3 (Room HS1)
- [Neurorobotics and neural interfaces] NI-MO3 (Room HS7)
- [IEEE RAL Session 2 of 2] RAL2-MO3 (Room HS9)
- [MATHWORKS Tutorial: Simulation and Modeling of a Humanoid Robot] (Room HS4a)
- [Forum on Bioinspired robots] – Prof Barbara Mazzolai FO-AF3 (Room HS14)
- [IEEE RAS EMBS Best paper Awards] BP-MO3 (Room HS8)

12:00 – 13:30: Lunch break

13:30 – 14:45: Parallel oral sessions (talks: 10 min + 2 min Q&A)

- [Forum on Bioinspired robots – Prof Barbara Mazzolai FO-AF3 (Room HS14)
- [Exoskeletons and exosuits] EE-AF3 (Room HS1)
- [Neural control of movement and biomechanics] NC-AF3 (Room HS4)
- [Surgical and medical robotics] SR-AF3 (Room HS5)
- [Haptics] HP-AF3 (Room HS6)
- [IEEE RAS EMBS Best Student Paper Awards] BSP-AF3 (Room HS8)
- [Bionic prostheses] BP-AF3 (Room HS7)
- [MATHWORKS Tutorial: Simulink & Co: Community Contributions and Hardware Integration Examples] (Room HS4a)

14:45 – 15:15: Coffee break

15:15 - 16:05: Plenary speaker 4: Pietro Valdastri (Room Neue Aula)

16:05 – 16:50: Keynote innovator 3-4: Cecilia Laschi & Michael Goldfarb (Room Neue Aula)

16:50 – 18:10: Poster session 2 (40 posters) (3 finalists)

18:30: Social event Boat Trip on the Neckar

Wednesday, September 4, 2024 (Conference Day 3)

09:00 - 09:50: Plenary speaker 5: Sandra Hirche (Room Neue Aula)

09:50 – 10:20: Keynote innovator 5: Sami Haddadin (Room Neue Aula)

10:20 – 10:50: Coffee break

10:50 – 12:05: Parallel oral sessions (talks: 10 min + 2 min Q&A)

- [Exoskeletons and exosuits] EE-MO4 (Room HS4)
- [Neural control of movement and biomechanics] NC-MO4 (Room HS1)
- [Surgical and medical robotics] SR-MO4 (Room HS5)
- [Rehabilitation robotics] RR-MO4 (Room HS6)
- [Human-machine interaction and assistive robotics] HM-MO4 (Room HS7)
- [IEEE TMRB Session] TMRB-MO4 (Room HS9)

12:05 – 13:30: Lunch break

13:30 – 14:45: Parallel oral sessions (talks: 10 min + 2 min Q&A)

- [Exoskeletons and exosuits - 1] EE1-AF4 (Room HS4)
- [Exoskeletons and exosuits - 2] EE2-AF4 (Room HS1)
- [Neural control of movement and biomechanics] NC-AF4 (Room HS5)
- [Surgical and medical robotics] SR-AF4 (Room HS6)
- [Bionic prostheses] BP-AF4 (Room HS7)

14:45 – 15:15: Coffee break

15:15 - 16:05: Plenary speaker 6: Ellen Roche (Room Neue Aula)

16:05 – 17:30: Poster session 3 (40 posters)

17:30 – 18:30: Awards, Closing Ceremony and Biorob 2026 announcement (Room Neue Aula).