

CONFERENCE PROGRAM

Program at a glance

Sunday, September 1, 2024 (Workshops)	Monday, September 2, 2024 (Conference Day 1)	Tuesday, September 3, 2024 (Conference Day 2)	Wednesday, September 4, 2024 (Conference Day 3)
9:00 – 10:30: Conference Workshop	9:00 – 09:40: Conference opening - Paolo Dario	09:00 – 09:50: Plenary speaker 3 – Aude Billard	09:00 – 09:50: Plenary speaker 5 – Sandra Hirche
10:30 – 11:00: Coffee break	09:40 – 10:30: Plenary speaker 1 – Shoji Takeuchi	09:50 – 10:10: Keynote innovator 2 – Robert Riener	09:50 – 10:20: Keynote innovator 5 – Sami Haddadin
11:00 – 12:30: Conference Workshop	10:30 – 11:00: Coffee break	10:10 – 10:40: Coffee break	10:20 – 10:50: Coffee break

12:30 – 14:00: Lunch break	11:00 – 12:15: Parallel oral sessions	10:40 – 12:00: Parallel oral sessions + Best Paper Awards	10:50 – 12:05: Parallel oral sessions
14:00 – 15:30: Conference Workshop	12:15 – 14:00: Lunch break	12:00 – 13:30: Lunch break	12:05 – 13:30: Lunch break
15:30 - 16:00: Coffee break	14:00 - 14:50: Plenary speaker 2 – Helen Huang	13:30 – 14:45: Parallel oral sessions + Best Student Paper Awards	13:30 – 14:45: Parallel oral sessions
16:30 - 18:00: Conference Workshop	14:50 – 15:10: Keynote innovator 1 – Hugh Herr	14:45 – 15:15: Coffee break	14:45 – 15:15: Coffee break
	15:10 – 15:40: Coffee break	15:15 – 16:05: Plenary speaker 4 – Pietro Valdastrì	15:15 – 16:05: Plenary speaker 6 – Ellen Roche
	15:40 – 17:00: Poster session 1	16:05 – 16:30: Keynote innovator 3 – Cecilia Laschi	16:05 – 17:30: Poster session 3
	17:00 – 18:15: Parallel oral sessions	16:30 – 16:50: Keynote innovator 4 – Michael Goldfarb	17:30 – 18:30: Awards, Closing Ceremony

18:30: Opening Ceremony

16:50 – 18:10: Poster
session 2

18:30: Social Event

PROGRAM OVERVIEW

Sunday, **September 1, 2024: Workshops.**

Monday, **September 2, 2024: Plenary Speakers, Oral and Poster session, opening ceremony at the Conference Venue.**

Tuesday, **September 3, 2024: Plenary Speakers, Oral and Poster session, social dinner at the River.**

Wednesday, **September 4, 2024: Plenary Speakers, Oral and Poster session, awards and closing ceremony.**

Monday, September 2 (Conference Day 1)

<u>9:00 – 09:40</u> : Conference opening: Paolo Dario's intro talk	NEUE AULA
<u>09:40 – 10:30</u> : Plenary speaker 1 Shoji Takeuchi	NEUE AULA
<u>10:30 – 11:00</u> : Coffee break	
<u>11:00 – 12:15</u> : Parallel oral sessions	
• [Exoskeletons and exosuits] EE-MO2	HS 1
• [Neural control of movement and biomechanics] NC-MO2	HS 4
• [Surgical and medical robotics] SR-MO2	HS 7
• [Bionic prostheses] BP-MO2	HS 8
• [IEEE RAL Session 1 of 2] RAL1-MO2	HS 9
<u>12:15 – 14:00</u> : Lunch break	
<u>14:00 – 14:50</u> : Plenary speaker 2, Helen Huang	NEUE AULA
<u>14:50 – 15:10</u> : Keynote innovator 1, Hugh Herr	NEUE AULA
<u>15:10 – 15:40</u> : Coffee break	
<u>15:40 – 17:00</u> : Poster session 1	Foyer
<u>17:00 – 18:15</u> : Parallel oral sessions	
• [Forum Christian Cipriani] FO-AF2	HS 14
• [Exoskeletons and exosuits] EE-AF2	HS 1

- [Neural control of movement and biomechanics] NC-AF2 HS 4
- [Soft robotics] SR-AF2 HS 7
- [Haptics] HP-AF2 HS 6

18:30: Opening Ceremony

Courtyard

Tuesday, September 3 (Conference Day 2)

09:00 – 09:50: Plenary speaker 3, Aude Billard NEUE AULA

09:50 – 10:10: Keynote innovator 2, Robert Riener NEUE AULA

10:10 – 10:40: Coffee break

10:40 – 12:00: Parallel oral sessions

- [Exoskeletons and exosuits] EE-MO3 HS 5
- [Neural control of movement and biomechanics] NC-MO3 HS 6
- [Micro/nano robotics] MN-MO3 HS 4
- [Human-machine interaction and assistive robotics] HM-MO3 HS 1
- [Neurorobotics and neural interfaces] NI-MO3 HS 7
- [IEEE RAL Session 2 of 2] RAL2-MO3 HS 9
- [Tutorial MathWorks] HS 4a
- [Forum Barbara Mazzolai] FO-AF3 HS 14
- [IEEE RAS EMBS Best paper Awards] BP-MO3 HS 8

12:00 – 13:30: Lunch break

13:30 – 14:45: Parallel oral sessions

- [Forum Barbara Mazzolai] FO-AF3 HS 14

- [Exoskeletons and exosuits] EE-AF3 HS 1
- [Neural control of movement and biomechanics] NC-AF3 HS 4
- [Surgical and medical robotics] SR-AF3 HS 5
- [Haptics] HP-AF3 HS 6
- [IEEE RAS EMBS Best Student Paper Awards] BSP-AF3 HS 8
- [Bionic prostheses] BP-AF3 HS 7
- [Tutorial MathWorks] HS 4a

14:45 – 15:15: Coffee break

15:15 – 16:05: Plenary speaker 4, Pietro Valdastrì NEUE AULA

16:05 – 16:50: Keynote innovator 3-4, Cecilia Laschi & Michael Goldfarb NEUE AULA

16:50 – 18:10: Poster session 2 Foyer

18:30: Social event Boat Trip on the Neckar

Wednesday, September 4 (Conference Day 3)

09:00 – 09:50: Plenary speaker 5, Sandra Hirche NEUE
AULA

09:50 – 10:20: Keynote innovator 5, Sami Haddadin NEUE
AULA

10:20 – 10:50: Coffee break

10:50 – 12:05: Parallel oral sessions

- [Exoskeletons and exosuits] EE-MO4 HS 4
- [Neural control of movement and biomechanics] NC-MO4 HS 1
- [Surgical and medical robotics] SR-MO4 HS 5
- [Rehabilitation robotics] RR-MO4 HS 6
- [Human-machine interaction and assistive robotics] HM-MO4 HS 7
- [IEEE TMRB Session] TMRB-MO4 HS 9

12:05 – 13:30: Lunch break

13:30 – 14:45: Parallel oral sessions

- [Exoskeletons and exosuits - 1] EE1-AF4 HS 4
- [Exoskeletons and exosuits - 2] EE2-AF4 HS 1
- [Neural control of movement and biomechanics] NC-AF4 HS 5
- [Surgical and medical robotics] SR-AF4 HS 6
- [Bionic prostheses] BP-AF4 HS 7

14:45 – 15:15: Coffee break

<u>15:15 - 16:05</u> : Plenary speaker 6, Ellen Roche	NEUE AULA
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<u>16:05 – 17:30</u> : Poster session 3	Foyer
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<u>17:30 – 18:30</u> : Awards, Closing Ceremony and Biorob 2026 announcement.	NEUE AULA
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