





MESROB 2021

07.06.2021-09.06.2021

University Hospital Basel, Zentrum für Lehre und Forschung (ZLF),
Hebelstrasse 20, 4031 Basel, Switzerland

Tentative Program

Monday, 07.06.2021	
Theme: Medical robotics	
08:00	Registration
09:00 – 09:10	Welcome remarks IFTOMM president
09:10 – 09:15	Welcome remarks Dr. Lukas Engelberger, Representative of Basel City
09:15 – 09:20	Opening of scientific program Welcome Remark: <i>Torsten Schwede</i> , Vice President for Research of the University of Basel
09:20 – 09:30	Topic: The spirit of MESROB <i>Doina Pisla</i>
09:30 – 10:15	Topic: Surgical robotics Plenary talk: Embedding AI in robotic surgery, <i>Elena De Momi</i>
10:15 – 10:45	Coffee break
10:45 – 11:30	Robot-Assisted Laserosteotomy Plenary talk: <i>Cyrill Bättscher & Hans-Florian Zeilhofer & Stefan Weber</i>
11:30 – 12:30	Demo session: MIRACLE Project PhD students of the MIRACLE Project
	 Project MIRACLE Minimally Invasive Robot-Assisted Computer-guided Laserosteotomy
12:30 – 14:00	Lunch Break Meeting of the MESROB Scientific Committee (location TBA)
14:00 – 14:40	Topic: Surgical robotics Keynote: Robotics for Retinal Regenerative Therapy Delivery, <i>Christos Bergeles</i>
	Topic: Medical lasers and optics Keynote: Pulsed laser tissue ablation: Mechanisms, and optimization strategies for precision and efficacy, <i>Alfred Vogel</i>
14:40 – 16:00	Technical session
	Technical session
16:00 – 16:30	Coffee break
16:30 -17:30	Technical session
	Technical session

Tuesday, 08.06.2021		
Theme: Rehabilitation robotics / Assistive devices		
08:00	Registration	
09:00 – 09:40	Topic: Rehabilitation robotics Plenary talk: From Robot-Aided Rehabilitation to Wearable Exosuits: towards a symbiotic assistive technology, <i>Lorenzo Masia</i>	
09:40 – 10:15	Topic: Rehabilitation robotics Plenary talk: Lower limb rehabilitation robotics. Sitting position and exoskeleton devices, <i>Mohamed Bouri</i>	
10:15 – 10:45	Coffee break (Talent scouting)	
10:45 – 11:30	Presentation CYBATHLON 	
11:30 – 12:30	Demo session: CYBATHLON 	
12:30 – 14:00	Lunch Break (Talent scouting) Meeting IFTToMM Technical Committee Biomechanical Engineering (location TBA)	
14:00 – 14:40	IISAART special session: Standards and best practices in medical robotics Keynote: <i>Thierry Keller</i> 	Topic: Navigation Keynote: <i>Roger Gassert</i>
14:40 – 16:00	Technical session	Technical session
16:00 – 16:30	Coffee break (Talent scouting)	
16:30 – 17:30	Technical session	Technical session

Wednesday, 09.06.2021			
Theme: Service robots / Haptics			
08:00	Registration		
09:00 – 09:15	Award ceremony for senior scientists		
09:15 – 09:45	Keynote Manfred Husty		
09:45 – 10:15	Keynote Hannes Bleuler		
10:15 – 10:40	Coffee break		
10:40 – 12:40	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;"> Technical session Keynote: A Thirty Year Perspective on Medical Robotics: Yesterday, Today, and Tomorrow, <i>Russ Taylor</i> </td> <td style="width: 50%; padding: 5px;"> Technical session </td> </tr> </table>	Technical session Keynote: A Thirty Year Perspective on Medical Robotics: Yesterday, Today, and Tomorrow, <i>Russ Taylor</i>	Technical session
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12:40 – 14:00	Lunch Break		
14:00 – 15:00	Poster Session		
15:00 – 16:20	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;">Technical session</td> <td style="width: 50%; padding: 5px;">Technical session</td> </tr> </table>	Technical session	Technical session
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16:20 – 16:50	Coffee break		
16:50 – 17:30	Award ceremony for best papers (research, application, students)		
17:30 – 17:45	Closing remarks		
17:45	End of conference		