

Summer School on Mechanism Design for Medical Applications 2018 Program

17-22
September



	Monday 17 September	Tuesday 18 September	Wednesday 19 September	Thursday 20 September	Friday 21 September	Saturday 22 September
9:00 – 10:30	Registration	Lecture #4	Lecture #8	Lecture #12	Lecture #16	9:00-18:00 Excursion
10:30 – 10:45	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	
10:45 – 12:15	Lecture #1	Lecture #5	Lecture #9	Lecture #13	Lecture #17	
12:15 – 14:00	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break	
14:00 – 15:30	Lecture #2	Lecture #6	Lecture #10	Lecture #14	Lecture #18	
15:30 – 15:45	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	
15:45 – 17:15	Lecture #3	Lecture #7	Lecture #11	Lecture #15	Closure speech	
18:00 – 22:00					Social Event	

Lecture #1: Robots in Medical Applications: Brachytherapy, Biopsy, Surgery

Lecturer: Prof. Doina Pisla, Universitatea Tehnica Cluj-Napoca, Romania

Lecture #2 & 3: Medical Simulation and Robotics & Characterization of Soft Tissue Material Properties

Lecturer: Prof. Çağatay Başdoğan, Koç University, Turkey

Lecture #4 & 5: Parallel Manipulator for Lower Limb Rehabilitation Applications

Lecturer: Prof. Santhakumar Mohan, IIT Indore, India

Lecture #6 & 7: Motion Analysis of the Left Ventricle of a Human Heart (Mock-Heart Project)

Lecturer: Prof. Burkard Corves, RWTH Aachen, Germany

Lecture #8 & 9: Lower Limb Rehabilitation Strategies & Exoskeletons for Rehabilitation and Daily Living Activities

Lecturers: Prof. Hannes Bleuler & Dr. Mohamed Bouri, EPFL, Switzerland

Lecture #10 & 11: Design of Surgical Robots – Soft Robotics Approach

Lecturer: Prof. Evren Samur, Boğaziçi University, Turkey

Lecture #12: Neuroscope Project: A Safety-Critical Teleoperation Approach

Lecturer: Prof. M. İ. Can Dede, İzmir Institute of Technology, Turkey

Lecture #13: Remote Center of Motion Mechanisms for Single-Port Entry Surgeries

Lecturer: Prof. Gökhan Kiper, İzmir Institute of Technology, Turkey

Lecture #14 : Wearable Assist Robot for Walk Rehabilitation

Lecturer: Prof. Hidetsugu Terada, University of Yamanashi, Japan

Lecture #15: Exoskeleton Mechanism Design for Rehabilitation Applications

Lecturer: Prof. Volkan Patoğlu, Sabancı University, Turkey

Lecture #16: Mechanism Applications in Prosthesis Design

Lecturer: Prof. Erwin-Christian Lovasz, Politehnica University of Timisoara, Romania

Lecture #17: Biokinematics: challenges in protein study

Lecturer: Prof. Victor Petuya, University of the Basque Country, Spain

Lecture #18: Design and Development of a Hand Rehabilitation Robot for Medical Applications

Lecturer: Prof. Erkin Gezgin, İzmir Katip Çelebi University, Turkey