





BLENDED INTENSIVE PROGRAMME ASSISTIVE TECHNOLOGY IN MEDICINE PHYSICAL PART 8 – 12 APRIL 2024

TUL LIBEREC CAMPUS/ IKEM PRAGUE

	MONDAY 8 April 2024		
	Welco	me	
8:00 - 10:00	TUL F3 Building – F02		
	Brief Presentation of Universities		
	TUL F3 Building – F02		
	TUL Campus Tour		
10:00 - 10:30	Coffee Break		
	TUL IC Building - Conference Room		
10:30 - 12:00	GROUP A	GROUP B	
	ROBOTIC ASSISTED MINIMALLY INVASIVE SURGERY	ELECTROMANETIC BIOCOMPATIBILITY	
	MODELLING WORKSHOP I. (15 students)	WORKSHOP I. (15 students)	
	Lecturers: Prof. DrIng. Daniel Raabe	Lecturers: Prof. Ing. Ladislav Janoušek, Ph.D.	
	DiplIng. Mahdi Abdel Haq	Ing. Maroš Šmondrk, Ph.D.	
	(University of Cooperative Education, Bautzen)	(University of Žilina)	
	TUL F3 Building – FZS13	TUL F3 Building – FZS6	
12:00 - 13:00	Lunc	h	
	TUL Canteen		
13:00 - 14:30	GROUP A	GROUP B	
	ROBOTIC ASSISTED MINIMALLY INVASIVE SURGERY	ELECTROMANETIC BIOCOMPATIBILITY	
	MODELLING WORKSHOP II. (15 students)	WORKSHOP II. (15 students)	
	Lecturers: Prof. DrIng. Daniel Raabe	Lecturers: Prof. Ing. Ladislav Janoušek, Ph.D.	
	DiplIng. Mahdi Abdel Haq	Ing. Maroš Šmondrk, Ph.D.	
	(University of Cooperative Education, Bautzen)	(University of Žilina)	
	TUL F3 Building – FZS13	TUL F3 Building – FZS6	
14:30 - 15:00	Coffee Break		
	TUL IC Building - Conference Room		
15:00 - 16:30	GROUP A	GROUP B	
	ROBOTIC ASSISTED MINIMALLY INVASIVE SURGERY	ELECTROMANETIC BIOCOMPATIBILITY	
	MODELLING WORKSHOP III. (15 students)	WORKSHOP III. (15 students)	
	Lecturers: Prof. DrIng. Daniel Raabe	Lecturers: Prof. Ing. Ladislav Janoušek, Ph.D.	
	DiplIng. Mahdi Abdel Haq	Ing. Maroš Šmondrk, Ph.D.	
	(University of Cooperative Education, Bautzen)	(University of Žilina)	
	TUL F3 Building – FZS13	TUL F3 Building – FZS6	
16:45 -	Social event – Liberec Sightseeing, Plaudit restaurant		

TUESDAY, 9 April 2024

GROUP 1 (10 students)	7:30	Departure from Liberec to Prague (by Regiojet bus)
IMAGING METHODS	10:00 - 12:30	IMAGING METHODS WORKSHOP I.
Lecturer:	12:30 - 13:30	Lunch
doc. Ing. Daniel Jirák, Ph.D.	13:30 - 16:00	IMAGING METHODS WORKSHOP II.
IKEM PRAGUE	16:00 - 20:00	Social Event: Sightseeing in Prague
	20:00	Departure from Prague to Liberec (by Regiojet bus)
GROUP 2 (10 students)	8:30 - 10:00	WORKSHOP I.
MOTION CONTROL FOR MEDICAL DEVICES	10:00 - 10:30	Coffee Break (A Building - Atelier – Attic)
Lecturer:	10:30 - 12:00	WORKSHOP II.
doc. Ing. Josef Černohorský, Ph.D.	12:00 - 13:00	Lunch (TUL Canteen)
A002	13:00 - 14:30	WORKSHOP III.
A Building	14:45 -	Social Event: Technical Museum Liberec
GROUP 3 (10 students)	8:30 - 10:00	WORKSHOP I.
ELECTROMYOGRAPHY CONTROL OF ROBOTIC	10:00 - 10:30	Coffee Break (A Building - Atelier – Attic)
SYSTEMS	10:30 - 12:00	WORKSHOP II.
Lecturers:	12:00 - 13:00	Lunch (TUL Canteen)
Ing. Jan Koprnický, Ph.D.	13:00 - 14:30	WORKSHOP III.
Ing. Tomáš Souček	14:45 -	Social Event: Technical Museum Liberec
TUL lab		
A Building		

	WEDNESDAY, 10	April 2024
GROUP 1 (10 students)	8:30 – 10:00	WORKSHOP I.
ELECTROMYOGRAPHY CONTROL OF ROBOTIC	10:00 - 10:30	Coffee Break (A Building - Atelier – Attic)
SYSTEMS	10:30 - 12:00	WORKSHOP II.
Lecturers:	12:00 - 13:00	Lunch (TUL Canteen)
Ing. Jan Koprnický, Ph.D.	13:00 - 14:30	WORKSHOP III.
Ing. Tomáš Souček	14:45 -	Social Event: Hike to the Jested Mountain, Liberec
TUL lab		
A Building		
GROUP 2 (10 students)	7:30	Departure from Liberec to Prague (by Regiojet bus)
IMAGING METHODS	10:00 – 12:30	IMAGING METHODS WORKSHOP I.
Lecturer:	12:30 - 13:30	Lunch
doc. Ing. Daniel Jirák, Ph.D.	13:30 - 16:00	IMAGING METHODS WORKSHOP II.
IKEM PRAGUE	16:00 – 20:00	Social Event: Sightseeing in Prague
	20:00	Departure from Prague to Liberec (by Regiojet bus)
GROUP 3 (10 students)	8:30 - 10:00	WORKSHOP I.
MOTION CONTROL FOR MEDICAL DEVICES	10:00 - 10:30	Coffee Break (A Building - Atelier – Attic)

WORKSHOP II.

Lunch (TUL Canteen)

WORKSHOP III.

Social Event: Hike to the Jested Mountain, Liberec

10:30 - 12:00

12:00 - 13:00

13:00 - 14:30

14:45 -

Lecturer:

A Building

A002

doc. Ing. Josef Černohorský, Ph.D.

THURSDAY, 11 April 2024					
GROUP 1 (10 students)	8:30 – 10:00	WORKSHOP I.			
MOTION CONTROL FOR MEDICAL DEVICES	10:00 - 10:30	Coffee Break (A Building - Atelier – Attic)			
Lecturer:	10:30 - 12:00	WORKSHOP II.			
doc. Ing. Josef Černohorský, Ph.D.	12:00 - 13:00	Lunch (TUL Canteen)			
A002	13:00 - 14:30	WORKSHOP III.			
A Building	17:00 - 19:00	Social Event: Bowling Babylon Liberec			
GROUP 2 (10 students)	8:30 - 10:00	WORKSHOP I.			
ELECTROMYOGRAPHY CONTROL OF ROBOTIC	10:00 - 10:30	Coffee Break (A Building - Atelier – Attic)			
SYSTEMS	10:30 - 12:00	WORKSHOP II.			
Lecturers:	12:00 - 13:00	Lunch (TUL Canteen)			
Ing. Jan Koprnický, Ph.D.	13:00 - 14:30	WORKSHOP III.			
Ing. Tomáš Souček	17:00 - 19:00	Social Event: Bowling Babylon Liberec			
TUL lab					
A Building					
GROUP 3 (10 students)	7:30	Departure from Liberec to Prague (by Regiojet bus)			
IMAGING METHODS	10:00 - 12:30	IMAGING METHODS WORKSHOP I.			
Lecturer:	12:30 - 13:30	Lunch			
doc. Ing. Daniel Jirák, Ph.D.	13:30 - 16:00	IMAGING METHODS WORKSHOP II.			
IKEM PRAGUE	16:00 - 20:00	Social Event: Sightseeing in Prague			
	20:00	Departure from Prague to Liberec (by Regiojet bus)			

FRIDAY, 12 April 2024				
	GROUP A	GROUP B		
8:30 - 10:00	ELECTROMANETIC BIOCOMPATIBILITY	ROBOTIC ASSISTED MINIMALLY INVASIVE SURGERY		
	WORKSHOP I. (15 students)	MODELLING WORKSHOP I. (15 students)		
	Lecturers: Prof. Ing. Ladislav Janoušek, Ph.D.	Lecturers: Prof. DrIng. Daniel Raabe		
	Ing. Maroš Šmondrk, Ph.D.	DiplIng. Mahdi Abdel Haq		
	(University of Žilina)	(University of Cooperative Education, Bautzen)		
	TUL F3 building – FZS6	TUL F3 building – FZS13		
10:00 - 10:30	Coffee Break			
	TUL F3 Building – FZS7			
10:30 - 12:00	GROUP A	GROUP B		
	ELECTROMANETIC BIOCOMPATIBILITY	ROBOTIC ASSISTED MINIMALLY INVASIVE SURGERY		
	WORKSHOP II. (15 students)	MODELLING WORKSHOP II. (15 students)		
	Lecturers: Prof. Ing. Ladislav Janoušek, Ph.D.	Lecturers: Prof. DrIng. Daniel Raabe		
	Ing. Maroš Šmondrk, Ph.D.	DiplIng. Mahdi Abdel Haq		
	(University of Žilina)	(University of Cooperative Education, Bautzen)		
	TUL F3 building – FZS6	TUL F3 building – FZS13		
12:00 – 13:00	Lunch			
	TUL F3 B	uilding – FZS7		
13:00 - 14:30	GROUP A	GROUP B		
	ELECTROMANETIC BIOCOMPATIBILITY	ROBOTIC ASSISTED MINIMALLY INVASIVE SURGERY		
	WORKSHOP III. (15 students)	MODELLING WORKSHOP II. (15 students)		
	Lecturers: Prof. Ing. Ladislav Janoušek, Ph.D.	Lecturers: Prof. DrIng. Daniel Raabe		
	Ing. Maroš Šmondrk, Ph.D	DiplIng. Mahdi Abdel Haq		
	(University of Žilina)	(University of Cooperative Education, Bautzen)		
	TUL F3 building – FZS6	TUL F3 building – FZS13		
14:30 - 15:00	Evaluation of the BIP - TUL F3 Building — FZS7			