

# 3D TISSUE SEGMENTATION, MODELLING AND DEFORMATION

## FROM PRE- TO INTRA-OPERATIVE IMAGE ANALYSIS

M	20	T	21	W	22	T	23	F	24
<input type="checkbox"/> <b>9:30 - 11:00</b> Introduction to deep learning (DL) with a focus on 3D data processing <b>Dr. Sara Moccia</b>	<input type="checkbox"/> <b>9:30-11:00</b> Surgical data science <b>Dr. Sara Moccia</b>	<input type="checkbox"/> <b>9:30 - 11:00</b> Simultaneous localization and mapping (SLAM) <b>Dr. Aldo Marzullo</b>	<input type="checkbox"/> <b>9:30-11:00</b> Tutorial on biomechanical simulation in SOFA - part I <b>Hugo Talbot</b>	<input type="checkbox"/> <b>9:30 - 10:00</b> Project revision <b>Dr. Aldo Marzullo</b>					
<input type="checkbox"/> <b>11:15 - 12:45</b> DL for 3D image segmentation and classification <b>Dr. Sara Moccia</b>	<input type="checkbox"/> <b>11:15-12:45</b> DL for endoscopic-image analysis <b>Dr. Sara Moccia</b>	<input type="checkbox"/> <b>11:15 - 12:45</b> Medical image registration for robotic procedures <b>Dr. Bodgan Maris</b>	<input type="checkbox"/> <b>11:15-12:45</b> Tutorial on biomechanical simulation in SOFA - part II <b>Hugo Talbot</b>	<input type="checkbox"/> <b>10:15 - 12:45</b> Project presentation <b>Students</b>					
<input type="checkbox"/> <b>12:45 - 13:15</b> Project assignment <b>Prof. Elena De Momi</b>									
<input type="checkbox"/> <b>14:30 - 17:30</b> Hands-on on DL tools for 3D image segmentation <b>Dr. Sara Moccia</b>	<input type="checkbox"/> <b>14:30-17:30</b> Hands-on on tools for endoscopic-image analysis with DL <b>Dr. Sara Moccia</b>	<input type="checkbox"/> <b>14:30-17:30</b> Hands-on on tools for SLAM <b>Dr. Aldo Marzullo</b>	<input type="checkbox"/> <b>14:30-17:30</b> Tutorial on biomechanical simulation in SOFA - hands-on activities <b>Hugo Talbot</b>	<input type="checkbox"/> <b>14:30-16:45</b> Project presentation <b>Students</b>					
				<input type="checkbox"/> <b>17:00-17:30</b> Awards Ceremony <b>Organizers</b>					