GMT	Chilean Time (GMT-3)	Wednesday 12
		ASTRONOMY
12:30-13:00	**9:30-10:00**	Michel Tallon (CRAL, France) Adaptive optics on THEMIS: closing the loop as an inverse problem
13:15-13:45	**10:15-10:45**	Jalo Nousiainen (LUT, Finland) A Reinforcement Learning Approach for Adaptive Optics control
14:00-14:30	**11:00-11:30**	Francisco Oyarzun (MsC ACIP-PUC) Performance of pyramid wavefront sensor under elongated laser star spots
14:30-14:45	**11:30-11:45**	Coffee Break
14:45-15:30	**11:45-12:30**	Transversal/Crossfield round table A
15:30-16:00	**12:30-13:00**	Cancelled Talk
16:15-16:45	**13:15-13:45**	Sebastiaan Haffert (U. of Arizona) Data-driven control of extreme adaptive optics systems
17:00-18:00	**14:00-15:00**	Lunch Break
18:00-18:45	**15:00-15:45**	Machine Learning 1 - F. Sahli
19:00-19:45	**16:00-16:45**	Inverse Problems 1 - A. Osses, C.Castillo
20:00-20:45	**17:00-17:45**	Inverse Problems 2 - A.Osses, C.Castillo
		Thursday 13
		MEDICINE
12:30-13:00	**9:30-10:00**	Haikun Qi (Shangai Tech U) Motion augmented deep learning reconstruction of highly undersampled MRI
13:15-13:45	**10:15-10:45**	Camila Muñoz (King's College London) Cardiac PET-MR motion corrected reconstruction
14:00-14:30	**11:00-11:30**	Francisco Romero (EMTensor-Austria) From super-resolution of microbubbles with ultrasound to celestial objects observation. General dynamic point-source imaging with optimal transport.
14:45-15:00	**11:45-12:00**	Coffee Break
15:00-15:30	**12:00-12:30**	Transversal/Crossfield round table B
15:30-16:00	**12:30-13:00**	Simone Pezzuto (U. de la Svizzera Italiana) An Inverse Problem for the Identification of Cardiac Activation from the Standard EGG
16:15-16:45	**13:15-13:45**	Matthias Ehrhardt (U. of Bath) Equivariant Neural Networks for Inverse Problems with applications in MRI and CT
17:00-18:00	**14:00-15:00**	Lunch Break
18:00-18:45	**15:00-15:45**	Machine Learning 2 - F. Sahli
19:00-19:45	**16:00-16:45**	Meeting with students
20:00-20:45	**17:00-17:45**	Coffee-Cocktail
		Friday 14
		NEUROSCIENCE
12:30-13:00	**9:30-10:00**	Pamela Guevara (U. de Concepción) Methods for the study of brain connectivity based on Diffusion MRI
13:15-13:45	**10:15-10:45**	Hans Zander (U. of Michigan) Image-based patient specific computational models of spinal cord stimulation
14:00-14:30	**11:00-11:30**	Patricio Orio (U. de Valparaíso) Biophysical modeling of cholinergic neuromodulation and its effects on whole-brain network segregation
14:45-15:00	**11:45-12:00**	Coffee Break
15:00-15:30	**12:00-12:30**	Elena Vicari (EPFL) Biophysical models to understand and optimize ultrasound neuromodulation
15:45-16:15	**12:45-13:15**	Esteban Paduro (Postdoc ACIP) Interferential Current stimulation for the FitzHugh-Nagumo system
16:30-16:45	**13:30-14:00**	Transversal/Crossfield round table C
17:00-18:00	**14:00-15:00**	Lunch Break
18:00-18:45	**15:00-15:45**	Machine Learning 3 - F. Sahli
19:00-19:45	**16:00-16:45**	Inverse Problems 3 - A.Osses, C.Castillo