



Second Workshop on Mechanism and Robot Design

October 16-19, 2013
UFSC, Florianópolis



UNIVERSIDADE FEDERAL
DE SANTA CATARINA

	October 16th	October 17th	October 18th	October 19th
09:00 – 10:15		Jon Selig	Visit to the Robotics Laboratory, Sapiens Park and INPETRO	Estevan Hideki Murai
10:45 – 12:00		Xianwen Kong		Dimiter Zlatanov
14:00 – 15:15	Daniel Martins	Lucas Weihmann	Daniel Ponce	
15:45 – 17:00	Luís Paulo Laus	Roberto Simoni	Gustavo Sobral Toscano	

Daniel Martins:	<i>Brazilian Screw-Theory</i>
Luís Paulo Laus:	<i>Planar Revolute-Coupled Kinematic Chains in Critical Configurations and their Duals</i>
Jon Selig:	<i>Some Applications of Algebraic Geometry in Robotics</i>
Xianwen Kong :	<i>Type synthesis of parallel mechanisms: from mono-operation mode to multiple operation modes</i>
Lucas Weihmann :	<i>Static analysis of robots</i>
Roberto Simoni:	<i>Number synthesis and analysis of parallel mechanisms</i>
Dimiter Zlatanov:	<i>Singularities of mechanisms and manipulators</i>
Gustavo Sobral Toscano:	<i>Screw Based Approach of Humanoids Robots</i>
Estevan Hideki Murai:	<i>Synthesis of one-side stitching devices</i>
Daniel Ponce :	<i>Modeling of human knees using the method of Davies for preoperative planning</i>