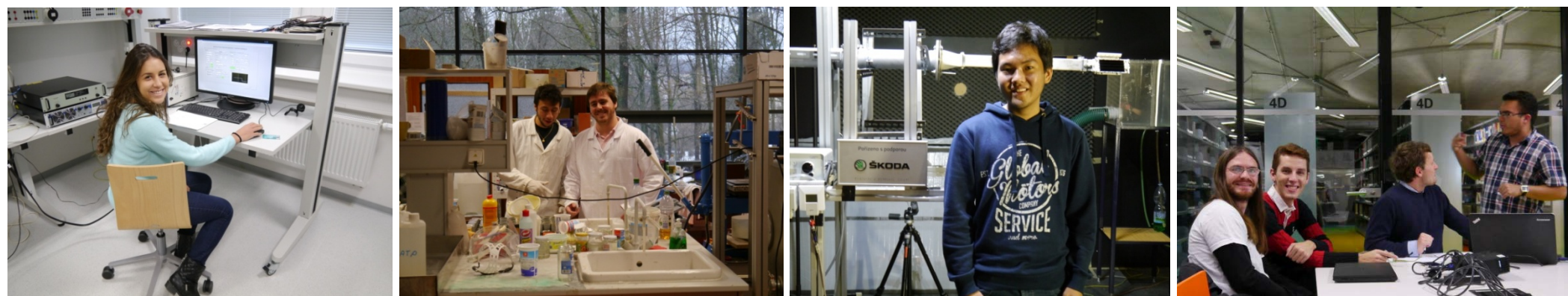


# UNIGOU Academic Internship Seminar 2016

*Konferenční sál Fakulty strojní ČVUT v Praze*

*Technická 4, 166 07 Praha 6*

*Friday 26<sup>th</sup> February, from 15:00 to 17:00*



The Institute of Czech-Brazilian Academic Cooperation has the pleasure to invite you for the UNIGOU Academic Internship Seminar 2016 that will take place on February 26<sup>th</sup> at the Conference room of the Faculty of Mechanical Engineering, Czech Technical University in Prague.

The event will be based on the poster exhibition displaying research outcomes of 39 Brazilian internship students, who joined the UNIGOU Program at the beginning of 2016.

Each Brazilian student will display one poster containing an overview of the research activities developed in the Czech Republic. The guests will be welcome to visit the poster display, exploring the topics and individually asking the students about their work and accomplishments.

# Seminar Program

**15:00** – The event starts with few welcoming words

The guests will be invited to visit the posters of the Brazilian students

Voting for the best poster and the best UNIGOU 2016 photo competitions

**16:10** – Group photo

**16:15** – Awards for best Research Posters and best UNIGOU 2016 photo

**17:00** – End of the UNIGOU Academic Internship Seminar 2016

## Brazilian Students - Research Projects

CZECH TECHNICAL UNIVERSITY IN PRAGUE		
Lucas Yugo (UNICAMP)	Small Satellite Platform development – Electronics	FEL, Department of Measurements
Enrico Picarelli (UNICAMP)	Monitoring of rainfall-drainage processes at small agricultural-land basin	FSv, Department of Irrigation, Drainage and Landscape Engineering
Saulo Negri (USP)	Excavator Arm Position Reconstruction – Image Processing	FEL, Department of Measurements
Fernando Miletto (UNICAMP)	Simulation of the photon decay into electron-positron pair	FEL, Department of Physics
Rodrigo Freitas (UNICAMP)	GIS analysis of large areas and basins in order to analyse rainfall-drainage, erosion and transport processes using mathematical models	FSv, Department of Irrigation, Drainage and Landscape Engineering
Mateo Greidanus (UFSC)	Photovoltaic systems development	FEL, Department of Electrotechnology
Maira Lavalhegas (UNICAMP)	Effect of low temperature plasma on biological organisms	FEL, Department of Physics
Thales Arantes (UNICAMP)	Construction of a Solar Simulator	FEL, Department of Electrotechnology
Joao Carlos Cerqueira (UNICAMP)	Mathematical model of PV system	FEL, Department of Electrotechnology
Marina Pomaleski (UNICAMP)	Assessment of functional properties of building materials using experimental techniques	FSv, Department of Materials Engineering and Chemistry
Sergio Cerqueira (UFSC)	Failure Mode and Effect Analysis	FEL, Department of Electrotechnology

<b>CHARLES UNIVERSITY IN PRAGUE</b>		
Bianca Cheregatti (UNICAMP)	The study of photoactive nanofibers	Natur, Department of Inorganic Chemistry
Eduardo Thesolim (UNICAMP)	Supramolecular Chemistry: Modifications of the structure of beta-ciclodextrines	Natur, Department of Organic Chemistry
Mariane Pereira (UNICAMP)	Voltammetric determination of the pesticide chlorpyrifos on mercury meniscus modified silver solid amalgam electrode	Natur, Department of Analytical Chemistry
Renata Andreoni (UNICAMP)	Novel materials in non-linear optics	Natur, Department of Inorganic Chemistry
<b>UNIVERSITY OF ECONOMICS IN PRAGUE</b>		
Tobias de Paula (USP)	The links between trade and gender: how trade affects gender issues and promotes women's economic empowerment and well-being in Latin America	Center for Latin American studies
<b>BRNO UNIVERSITY OF TECHNOLOGY</b>		
Alberto Borges (UFSC)	Voltage stability in Low-Voltage/Middle-Voltage Distribution Systems loaded by converters with regulation on Constant Output.	FEKT, Department of Electrical Power Engineering
Joao Cotrim (UNICAMP)	Processing of Fe alloy Using Selective Laser Melting	FSI, Department of Reverse Engineering and Additive Technologies
Juliana de Sa (UNICAMP)	Immunity of revenue meters against to conducted differential disturbances in the range from 2 kHz to 150 kHz	FEKT, Department of Electrical Power Engineering
Larissa Gouvea (UFRJ)	Development of a High Entropy Alloy Coating by Cold Spraying Deposition	FSI, Institute of Materials Science and Engineering
Leonardo Nakasato (UNICAMP)	Quality of fuel atomization of small pressure-swirl atomizers	FSI, Department of Thermodynamics and Environmental Engineering
Leonardo Parmigiani (UNICAMP)	Testing of car air conditioning diffusers by Constant Temperature Anemometry	FSI, Department of Thermodynamics and Environmental Engineering
Vinicius Baptistella (UNICAMP)	Contact Thermal Comfort Experiments	FSI, Department of Thermodynamics and Environmental Engineering
<b>MENDEL UNIVERSITY IN BRNO</b>		
Claudia Sandes (UFBA)	The application of digestate as fertilizer into the soil	FA, Department of Agricultural, Food and Environmental Engineering
Patricia Onishi (UNICAMP)	The application of digestate as fertilizer into the soil – description of the characteristics of the soil	FA, Department of Agricultural, Food and Environmental Engineering
Piera Aguilar (UNICAMP)	The Influence of Sugar Overconsumption on the Cognitive Functions of University Students	FRDIS, Department of Languages

<b>UNIVERSITY OF WEST BOHEMIA IN PILSEN</b>		
Alexandre Wada (USP)	Crash Simulations and Injury Assessment	Regional Technological Institute
Enzo Bernardinelli (UNICAMP)	Research into New Principles of Electric Current Collectors for Rail Vehicles	Regional Technological Institute
Victor Doll (UNICAMP)	Estimating Optimal Parameters for Injection Molding	Regional Technological Institute
Renir Damasceno (UFSC)	Virtual Reconstruction of Human Walking	New Technologies Research Centre
Gustavo Rosa (USP)	Czech Tourism Research	FE, Department of Marketing, Trade and Services
Vinicius David (UNICAMP)	Robustness testing of human body model	New Technologies Research Centre
<b>TECHNICAL UNIVERSITY IN LIBEREC</b>		
Marcio Rodrigues (UFBA)	A Computer-BASED VBA model for optimal spare parts logistics management in a manufacturing maintenance system	FE, Department of Business Administration and Management
Aldo Saltao (USP)	Environmental Indicators and Automotive Industries	FE, Department of Business Administration and Management
Arthur Resende (UNICAMP)	Testing of mechanical and physical properties of Geopolymers	FS, Department of Material Science
Daniel Miletto (UNICAMP)	Testing of mechanical and physical properties of Geopolymers	FS, Department of Material Science
<b>MEMBRAN RESEARCH CENTER IN STRAZ POD RALSKEM</b>		
Danilo Bertagna (UNICAMP)	Desalting of Raw Dyes	
Gabriel Campolina (UNICAMP)	Hydraulic characteristics of electrolysis modules	
Marilia Goncalves (UFSCAR)	Determ. of the correlation function between the gas selectivities $\alpha_{CO_2/CH_4}$ and $\alpha_{O_2/N_2}$ for polyetherimide hollow fiber membranes	