

Robot control architectures-1	Robot control architectures I
	Auditório JACUMÃ - terça-feira - 06/11/2018 - 08:30 às 09:50
187211	Comparing features extraction and classification methods to recognize ErrP signals Caetano Ranieri (University of Sao Paulo - Brazil), Guilherme Nardari (Universidade de São Paulo - Brazil), Adam Pinto (Universidade de São Paulo - Brazil), Daniel Tozadore (University of São Paulo - Brazil), Roseli Ap. Francelin Romero (USP-SC - Brazil)
187281	Depth Control of Underwater Robots using Sliding Modes and Gaussian Process Regression Wallace Bessa (Federal University of Rio Grande do Norte - Brazil), Gabriel Lima (Federal University of Rio Grande do Norte - Brazil), Sebastian Trimpe (Max Planck Institute for Intelligent Systems - Germany)
187288	Framework for modeling autonomous multi-robots systems Robson da Silva (Bahia State University (UNEB) - Brazil), Marco Antonio Simões (UNEB - Universidade do Estado da Bahia - Brazil), Jorge Campos (Bahia State University (UNEB) - Brazil), Josemar Souza (Universidade do Estado da Bahia - UNEB - Brazil)
185430	Stochastic Nonlinear Model Predictive Mobile Robot Motion Control Tiago Nascimento (Universidade Federal da Paraíba - Brazil), Gabriel Basso (Universidade Federal da Paraíba - Brazil), Carlos Eduardo Trabuco Dórea (UFRN - Brazil), Luiz Gonçalves (Universidade Federal do Rio Grande do Norte - Brazil)

Sensor modeling and data interpretation-1	Sensor modeling and data interpretation
	Auditório JACUMÃ - terça-feira - 06/11/2018 - 10:30 às 11:50
185542	A comparison of traffic signs detection methods in 2D and 3D images for the benefit of the navigation of autonomous vehicles Diego Bruno (USP - Universidade de São Paulo - Brazil), Fernando Osório (ICMC-USP - Brazil)
185550	Characterization of Resistive Flex Sensor Applied to Joint Angular Displacement Estimation Armando Sanca (Universidade Estadual de Feira de Santana - Brazil), Pablo Alsina (Universidade Federal do Rio Grande do Norte - Brazil), Kassio Eugenio (Universidade Federal do Rio Grande do Norte - Brazil), Joelson Rocha (Universidade Federal do Rio Grande do Norte - Brazil)
187296	Global Localization of Mobile Robots using Local Position Estimation in a Geo Tagged Wireless Node Sensor Network Elerson Rubens da Silva Santos (Universidade Federal de Minas Gerais - Brazil), Hector Azpurua (Instituto Tecnológico Vale - Brazil), Paulo Rezeck (Federal University of Minas Gerais - Brazil), Maurício Corrêa (Federal University of Minas Gerais - Brazil), Gustavo Freitas (ITV - Brazil), Douglas Macharet (Universidade Federal De Minas Gerais - Brazil)
185465	Semantic Map Augmentation for Robot Navigation: A Learning Approach based on Visual and Depth Data Dhiego Bersan (Universidade Federal de Minas Gerais - Brazil), Renato Martins (Universidade Federal de Minas Gerais - Brazil), Erickson Nascimento (Universidade Federal de Minas Gerais - Brazil), Mario Fernando Campos (UFMG - Brazil)

Multi-Robot and Multi-Agents-1	Multi-Robot and Multi-Agents
	Auditório JACUMÃ - terça-feira - 06/11/2018 - 14:00 às 16:00
	A Murdoch-based ROS package for Multi-Robot Task Allocation

187197	Caue Guidotti (Universidade Federal de Itajubá - Brazil), Adriano Henrique Rossette Leite (Universidade Federal de Itajubá - Brazil), Arthur Baião (Universidade Federal de Itajubá - Brazil), Guilherme Bastos (Universidade Federal de Itajuba - Brazil)
187205	An Analysis Of The Numeric Solver Choice For An NMPC Controlled Non-Holonomic Robot Formation Augusto Tavares (Universidade Federal da Paraíba - Brazil), Sarah Madruga (Universidade Federal da Paraíba - Brazil), Alisson Brito (Universidade Federal da Paraíba - Brazil), Tiago Nascimento (Universidade Federal da Paraíba - Brazil)
187213	Cooperative Localization by Fusing Pose Estimates from Static Environmental and Mobile Fiducial Features Zaijuan Li (Technology University of Darmstadt - Germany), Raul Acuna (TU Darmstadt - Germany), Volker Willert (TU Darmstadt - Germany)
184614	Intelligent dynamic formation of the multi-robot systems to cleaning tasks in unstructured environments and with a single perception system Vivian Kalempa (Santa Catarina State University - UDESC - Brazil), Marco A. Teixeira (Universidade Tecnológica Federal do Paraná - Brazil), Andre Schneider de Oliveira (Universidade Tecnológica Federal do Paraná (UTFPR) - Brazil), João Fabro (UTFPR - Brazil)
187183	Line Formation Using Multi-Layer Control Scheme Alexandre Brandão (Universidade Federal de Viçosa - Brazil), João Paulo Barbosa (Universidade Federal de Viçosa - Brazil), João Vítor Rodrigues Vasconcelos (Universidade Federal de Viçosa - Brazil), Diego Romie Neiva (Universidade Federal de Viçosa - Brazil)
187251	Persistent Monitoring of Multiple Areas of Interest with Robotic Swarms Fabrício Inácio (Universidade Federal de Minas Gerais - Brazil), Douglas Macharet (Universidade Federal De Minas Gerais - Brazil), Luiz Chaimowicz (Universidade Federal de Minas Gerais - Brazil)

Vision in robotics-1	Vision in robotics I
	Auditório JACUMÃ - terça-feira - 06/11/2018 - 16:30 às 17:50
187305	Evaluation of a IGFTT Keypoints Detector in Indoor Visual SLAM Valber Zacarkim (Universidade Federal do Paraná - Brazil), Eduardo Todt (Universidade Federal do Paraná - UFPR - Brazil), Felipe Bombardelli (UFPR - Brazil)
187268	Keyframe-based RGB-D SLAM for Mobile Robots with Visual Odometry in Indoor Environments using Graph Optimization Joao Soares (PUC-Rio - Brazil), Marco Meggiolaro (DEM-PUC-Rio - Brazil)
186881	Online Inertial-Aided Monocular Camera Self-Calibration Artur Pio (Universidade de Brasília - Brazil), Geovany Borges (Universidade de Brasilia (UnB) - Brazil)
187266	Visual-Inertial Fusion for Indoor Autonomous Navigation of a Quadrotor Using ORB-SLAM Seyed Jamal Haddadi (Federal University of Santa Catarina - Brazil), Eugenio B. castelan (Federal University of Santa Catarina - Brazil)

Robot programming-1	Robot programming
	Auditório LUCENA - terça-feira - 06/11/2018 - 16:30 às 17:50
185538	Advanced Driver Assistance System based on automated routines for the benefit of human faults correction in robotics vehicles Diego Bruno (USP - Universidade de São Paulo - Brazil), Tiago Cesar Dos Santos (Universidade de São Paulo - Brazil), Junior Anderson Rodrigues da Silva (Universidade de São Paulo - Brazil), Denis Wolf (University of Sao Paulo - Brazil), Fernando Osorio (USP - Universidade de Sao Paulo - Brazil)

187373	An IoT protocol evaluation in a Smart Factory environment
	Daniel Bezerra (Universidade Federal de Pernambuco - Brazil), Rafael Aschoff (Instituto Federal de Educação Ciência e Tecnologia de Pernambuco IFPE - Brazil), Geza Szabo (Budapest University of Technology and Economics - Hungary), Djamel Fawzi Hadj Sadok (Universidade Federal de Pernambuco (UFPE) - Brazil)
187292	Development of Immersive Virtual Reality Interface for Lower-Limb Robotic Rehabilitation
	Henrique Balbino (University of Brasilia - Brazil)
184985	Unified Robotic System: Exploring limitation and opportunities
	Felipe Bombardelli (UFPR - Brazil), Leonardo Vidal (UFPR - Brazil), Eduardo Todt (Universidade Federal do Paraná - UFPR - Brazil)

Robot control architectures-2	Robot control architectures II
	Auditório JACUMÃ - quarta-feira - 07/11/2018 - 08:30 às 09:50
185163	Centralized Control for an Heterogeneous Line Formation Using Virtual Structure Approach
	Marcos Santos Rabelo (Universidade Federal do Espírito Santo - Brazil), Alexandre Brandão (Universidade Federal de Viçosa - Brazil), Mario Sarcinelli Filho (UFES - Brazil)
185554	Design of an autonomous mobile robot for outdoor robotic competitions
	Letícia Helena Silva Porto (University of Brasilia - Brazil), Rodrigo Werberich da Silva Moreira de Oliveira (University of Brasilia - Brazil), Ricardo Bauchspiess (University of Brasilia - Brazil), Camila Brito (Universidade de Brasília - Brazil), Luis Felipe da Cruz Figueredo (University of Brasilia - Brazil), Geovany Borges (Universidade de Brasília (UnB) - Brazil), Guilherme Ramos (University of Brasilia - Brazil)
185610	Gain-Scheduling PID low-level control for robotic sailboats
	Davi Santos (Universidade Federal do Rio Grande do Norte - Brazil), Luiz Gonçalves (Universidade Federal do Rio Grande do Norte - Brazil), Andouglas Júnior (Universidade Federal do Rio Grande do Norte - Brazil), Alvaro Negreiros (UFRN - Brazil), Justo Jacobo (Universidade Federal do Rio Grande do Norte - Brazil), João Vilas Boas (Instituto Federal de Educação, Ciência e Tecnologia do Rio Grande do Norte - Brazil)
187110	Solving inverse kinematics of planar manipulators with robustness to singularities by reverse operating neural networks
	Raphael Cardoso de Oliveira Jesus (Universidade Federal de Sergipe - Brazil), Elyson Carvalho (Universidade Federal de Sergipe - Brazil), Lucas Molina (Universidade Federal de Sergipe - Brazil), Eduardo Freire (Universidade Federal de Sergipe - Brazil)

Vision in robotics-2	Vision in robotics II
	Auditório JACUMÃ - quarta-feira - 07/11/2018 - 14:00 às 16:00
184345	Deep Learning based Exposure Correction for Image Exposure Correction with Application in Computer Vision for Robotics
	Cristiano Steffens (Federal University of Rio Grande - Brazil), Paulo Lilles Drews Jr (Universidade Federal do Rio Grande (FURG) - Brazil), Silvia Botelho (FURG - Brazil)
	Design of a 2-DOF delta robot for packaging and quality control of processed meat products

184086	Jose Balbuena (Pontificia Universidad Catolica del Peru - Peru), Javier Hilario (Pontificia Universidad Catolica del Peru - Peru), Ismael Vargas (Pontificia Universidad Catolica del Peru - Peru), Ruth Manzanares (Pontificia Universidad Catolica del Peru - Peru), Francisco Cuellar (Pontificia Universidad Catolica del Peru - Peru)
187259	Image Processing for Automated Welding Robot: Reducing Interference due to Fume in Camera Lenses Edwilson Vaz Junior (Universidade Federal do Rio Grande (FURG) - Brazil), Átila Weis (FURG - Universidade Federal do Rio Grande - Brazil), Paulo Lilles Drews Jr (Universidade Federal do Rio Grande (FURG) - Brazil), Cristiano Steffens (Federal University of Rio Grande - Brazil), Silvia Botelho (FURG - Brazil)
187208	Perception of an Opto-Mechanical Torch for Linear Welding Robot using Monocular Camera Matheus de Faria (Universidade Federal do Rio Grande - FURG - Brazil), Paulo Lilles Drews Jr (Universidade Federal do Rio Grande (FURG) - Brazil), Luciane Baldassari Soares (Universidade Federal do Rio Grande - FURG - Brazil), Silvia Botelho (FURG - Brazil)
186795	Robust Visual Servo Control for Robotic Fruit Picking in the Presence of Parametric Uncertainties and Complex Scenarios. Juan Gamba C (Pontifical Catholic University of Rio de Janeiro - Brazil), Antonio Leite (Pontifical Catholic University of Rio de Janeiro - Brazil)
186162	Verisimilar Percept Sequences Tests for Autonomous Driving Intelligent Agent Assessment Thomio Watanabe (University of Sao Paulo - Brazil), Denis Wolf (University of Sao Paulo - Brazil)

Bio-inspired robotics-1	Bio-inspired robotics
	Auditório LUCENA - quarta-feira - 07/11/2018 - 08:30 às 09:50
187379	Attabot: Open Platform inspired on Brazilian ants for swarm robots Marco Vinícius Ferreira (University of Uberlândia - Brazil), Joao Paulo Fonseca (Universidade Federal de Goiás - Brazil), José Jean-Paul Tavares (Universidade Federal de Uberlândia - Brazil)
187372	Manipulation of Bioinspiration Robot with Gesture Recognition through Fractional Calculus Francisco Marques Junior (UNIVERSIDADE ESTADUAL DO PIAUÍ - Brazil), Arata Andrade Saraiva (UESPI - Brazil), José Vigno Moura Sousa (UESPI - Brazil), Nuno Fonseca Ferreira (ISEC - Portugal), António Valente (University of Trás-os-Montes e Alto Douro - Portugal)
184313	Transition to Paw/Hoof in Bio-Inspired Quadruped Robot TB-Horse II and Its Demonstrative Simulation Henrique Medeiros (Federal University of ABC - Brazil), Wagner Botelho (Universidade Federal do ABC (UFABC) - Brazil), Felipe Biihrer (Federal University of ABC - Brazil), D. Sousa (UFABC - Universidade Federal do ABC - Brazil), Maria Marietto (UFABC - Brazil), João Carlos da Motta Ferreira (Federal University of ABC - Brazil)
185660	Walking pattern design and balance control of a quadruped platform Bruno Rodolfo de Oliveira Floriano (Universidade de Brasília - Brazil), Caio de Freitas Porphirio (Universidade de Brasília - Brazil), Pedro Henrique Moreira Santana (Universidade de Brasília - Brazil), Geovany Borges (Universidade de Brasília (UnB) - Brazil), Alexandre Romariz (Universidade de Brasília - Brazil)

Robotic Manipulators-1	Robotic Manipulators I
	Auditório LUCENA - quarta-feira - 07/11/2018 - 14:00 às 16:00

184091	Aerial Manipulation with Six-Axis Force and Torque Sensor Feedback Compensation João Buzzatto (São Carlos School of Engineering - EESC, University of São Paulo (USP) - Brazil), André Carmona Hernandez (Universidade Federal de São Carlos - Brazil), Marcelo Becker (University of Sao Paulo/EESC - Brazil), Glauco Augusto de Paula Caurin (University of Sao Paulo - Brazil)
185788	An Immersion Enhancing Robotic Head-Like Device for Teleoperation Paulo Rezeck (Federal University of Minas Gerais - Brazil), Felipe Chamone (Federal University of Minas Gerais - Brazil), Jéssica Ferreira Soares (Universidade Federal de Minas Gerais - Brazil), Bruna Frade (Universidade Federal de Minas Gerais - Brazil), Luan Gabriel Pinto (Federal University of Minas Gerais - Brazil), Hector Azpurua (Instituto Tecnológico Vale - Brazil), Douglas Macharet (Universidade Federal De Minas Gerais - Brazil), Luiz Chaimowicz (Universidade Federal de Minas Gerais - Brazil)
185777	Framework for Haptic Teleoperation of a Remote Robotic Arm Device Paulo Rezeck (Federal University of Minas Gerais - Brazil), Bruna Frade (Universidade Federal de Minas Gerais - Brazil), Jéssica Ferreira Soares (Universidade Federal de Minas Gerais - Brazil), Luan Gabriel Pinto (Federal University of Minas Gerais - Brazil), Felipe Chamone (Federal University of Minas Gerais - Brazil), Hector Azpurua (Instituto Tecnológico Vale - Brazil), Douglas Macharet (Universidade Federal De Minas Gerais - Brazil), Luiz Chaimowicz (Universidade Federal de Minas Gerais - Brazil)
185506	ORB algorithm applied to Detection, Location and Grasping Objects Andre Gustavo Scolari Conceicao (Federal University of Bahia - Brazil), Daniel Oliveira (Federal University of Bahia - Brazil), Maria Paula Carvalho (Federal University of Bahia - Brazil)
183951	Simulation of Impedance-Based Haptic Feedback in Bilateral Teleoperated Robot System with Virtual Constraints Luiz Marques (Universidade Federal de Santa Catarina - Brazil), Henrique Simas (Universidade Federal de Santa Catarina - Brazil), Edson De Pieri (Federal University of Santa Catarina - Brazil - Brazil)
187258	Teleoperation of an ABB IRB 120 robotic manipulator and BarrettHand BH8-282 using a Geomagic Touch X haptic device and ROS Amanda Lima (Universidade Federal de Ouro Preto - Brazil), Filipe Rocha (Instituto Tecnológico Vale (ITV) - Brazil), Marcos Torre (Instituto Tecnológico Vale (ITV) - Brazil), Hector Azpurua (Instituto Tecnológico Vale - Brazil), Gustavo Freitas (ITV - Brazil)

Robotic Manipulators-2	Robotic Manipulators II
	Auditório LUCENA - quinta-feira - 08/11/2018 - 08:30 às 09:50
185147	A Novel Tuning Method for PD Control of Robotic \ \ Manipulators Based on Minimum Jerk Principle Phelipe Wesley Oliveira (Universidade Federal do Ceará - Brazil), Guilherme Barreto (Universidade Federal do Ceará - Brazil), George The (Federal University of Ceara - Brazil)
185941	FRPSO: Inverse Kinematics using Fully Resampled Particle Swarm Optimization Jefferson Silveira (Universidade Federal de Sergipe - Algeria), Raphael Cardoso de Oliveira Jesus (Universidade Federal de Sergipe - Brazil), Lucas Molina (Universidade Federal de Sergipe - Brazil), Elyson Carvalho (Universidade Federal de Sergipe - Brazil), Eduardo Freire (Universidade Federal de Sergipe - Brazil)
185682	Neural networks with physical meaning: representation of kinematic equations from robot arms using a neural network topology Raphael Cardoso de Oliveira Jesus (Universidade Federal de Sergipe - Brazil), Elyson Carvalho (Universidade Federal de Sergipe - Brazil), Lucas Molina (Universidade Federal de Sergipe - Brazil), Eduardo Freire (Universidade Federal de Sergipe - Brazil)

187248	Safe Path Planning Based on Probabilistic Foam for a Lower Limb Active Orthosis to Overcoming an Obstacle
	Luís Nascimento (Federal University of Rio Grande do Norte (UFRN) - Brazil), Diego Pereira (IFRN/UFRN - Brazil), Armando Sanca (Universidade Estadual de Feira de Santana - Brazil), Kassio Eugenio (Universidade Federal do Rio Grande do Norte - Brazil), Daniel Fernandes (UFRN - Brazil), Pablo Alsina (Universidade Federal do Rio Grande do Norte - Brazil)

Robot planning-1	Robot planning
	Auditório LUCENA - quinta-feira - 08/11/2018 - 14:00 às 16:00
185632	A ROSPlan-based multi-robot navigation system
	Dannilo Miranda (Universidade Federal de Itajubá - Brazil), Guilherme Bastos (Universidade Federal de Itajubá - Brazil), Luiz Edival Souza (Universidade Federal de Itajubá - Brazil)
185194	An Energy-Aware Real-Time Search Approach for Cooperative Patrolling Missions with Multi-UAVs
	Kristofer Kappel (Universidade Federal de Pelotas - Brazil), Tauã Cabreira (Universidade Federal de Pelotas - Brazil), Paulo Ferreira Jr. (Universidade Federal de Pelotas - Brazil), Lisane Brisolará (Universidade Federal de Pelotas - Brazil)
187270	Development of Local Mapping Generating Technique Using Planar Regions Applied for an Active Orthosis
	Daniel Fernandes (UFRN - Brazil), Filipe Lins (Federal Institute of Education, Science and Technology of Rio Grande do Norte (IFRN) - Brazil), Adelardo Medeiros (Universidade Federal do Rio Grande do Norte - Brazil), Luís Nascimento (Federal University of Rio Grande do Norte (UFRN) - Brazil), Diego Pereira (IFRN/UFRN - Brazil), Pablo Alsina (Universidade Federal do Rio Grande do Norte - Brazil)
185451	Path Planning for Mobile Robots on Rough Terrain
	Alexandre Souza Santos (Federal University of Ouro Preto - Brazil), Hector Azpurua (Instituto Tecnológico Vale - Brazil), Gustavo Freitas (ITV - Brazil)
185513	The Polarized RRT-Edge Approach
	Alana de Santana Correia (Universidade Federal de Sergipe - Brazil), Eduardo Freire (Universidade Federal de Sergipe - Brazil), Elyson Carvalho (Universidade Federal de Sergipe - Brazil), Lucas Molina (Universidade Federal de Sergipe - Brazil), Stephanie Kamarry (Universidade Federal de Sergipe - Brazil)
185487	Towards Setplays Learning in a Multiagent Robotic Soccer Team
	Marco Antonio Simões (UNEB - Universidade do Estado da Bahia - Brazil), Tatiane Nogueira (Federal University of Bahia - Brazil)

Robot Learning-1	Robot Learning
	Auditório LUCENA - quinta-feira - 08/11/2018 - 16:30 às 17:50
187206	A grasp synthesis method for a three finger gripper
	Leonardo Rincon (Federal University of Santa Catarina - Brazil)
	Deep Reinforcement Learning in robotics logistic task coordination

187367	Samuel Chenatti (Unicamp - Brazil), Gabriel Previato (University of Campinas - Brazil), Guilherme Corrêa (University of Campinas - Brazil), Thales Mateus Rodrigues Oliveira (University of Campinas - Brazil), Victor Braga (Univerdi Estadual de Campinas - Brazil), Wallace Pereira (University of Campinas - Brazil), Guilherme Abreu (University of Campinas - Brazil), Esther Colombini (Unicamp - Brazil)
187331	Neural Network as an Alternative to the Jacobian for Iterative Solution to Inverse Kinematics Fabrício Montenegro (Universidade Federal de Santa Maria - Brazil), Ricardo Grando (Universidade Federal de Santa Maria - Brazil), Giovanni Rubert Librelotto (UFSM - Universidade Federal de Santa Maria - Brazil), Rodrigo Guerra (UFSM - Brazil)
186891	Traffic Signs Recognition System with Convolutional Neural Networks Felipe Sisido (Federal University of Itajubá - Brazil), Jonas Goya (Federal University of Itajuba - Brazil), Guilherme Bastos (Universidade Federal de Itajuba - Brazil), Audeliano Li (Federal University of Itajuba - Brazil)

Autonomous vehicles-1	Autonomous vehicles
	Auditório MANAIRA - quinta-feira - 08/11/2018 - 14:00 às 16:00
185452	Diagnostic Analysis for an Autonomous Truck Using Multiple Attribute Decision Making Iago Pachêco Gomes (Universidade de São Paulo - Brazil), Diego Bruno (USP - Universidade de São Paulo - Brazil), Fernando Osório (ICMC-USP - Brazil), Denis Wolf (University of Sao Paulo - Brazil)
187343	Fast Iterative and Fast Iterative Square Methods for Path Planning in Mobile Robots Angel Sucapuca-Díaz (Universidad Católica San Pablo - Peru), Maria Cornejo-Lupa (Universidad Católica San Pablo - Peru), Dennis Barrios-Aranibar (Universidad Católica San Pablo - Peru)
184736	Implicit Curve Navigation using Fuzzy Control Vítor Barros (Universidade Federal de Minas Gerais - Brazil), Douglas Macharet (Universidade Federal De Minas Gerais - Brazil)
187219	Local Planning Using Obstacle Estimation and Tangencial Escape Kevin de Carvalho (Universidade Federal de Viçosa - Brazil), Guilhemer de Oliveira (Universidade Federal de Viçosa - Brazil), Alexandre Brandão (Universidade Federal de Viçosa - Brazil)
187285	Path Planning Based on Traversability Evaluation from Occupancy-Elevation Grid Maps Anderson Souza (Universidade do Estado do Rio Grande do Norte - Brazil), Luiz Gonçalves (Universidade Federal do Rio Grande do Norte - Brazil)
184096	Stabilizing model predictive control for wheeled mobile robots with linear parameter-varying and different time-scales Cesar Peña Fernandez (Instituto Federal da Bahia - Brazil)

Vision in robotics-3	Vision in robotics III
	Auditório MANAIRA - quinta-feira - 08/11/2018 - 16:30 às 17:50
185586	A Low Cost System to Optimize Pesticide Application based on Mobile Technologies and Computer Vision Felipe Weber (FURG - Brazil), Paulo Lilles Drews Jr (Universidade Federal do Rio Grande (FURG) - Brazil), Gabrielle Almeida (FURG - Brazil), Fabio Terra (IFSUL-Pelotas - Brazil), André Oldoni (IFSUL-Pelotas - Brazil)
	Autonomous Detection of Mosquito-breeding Habitats using an Unmanned Aerial Vehicle

187164	Henrique Junior (CEFET/RJ Unidade Nova Iguaçu - Brazil), Roberto Pontes (CEFET-RJ - Brazil), Lucas Pinheiro (CEFET/RJ - Brazil), Tayana Dias (CEFET/RJ - Brazil), Viviane Alves (CEFET/RJ - Brazil), Gabriel Araujo (Centro Federal de Educação Tecnológica Celso Suckow Fonseca (CEFET/RJ) - Brazil), Amaro Lima (Centro Federal de Educação Tecnológica do Rio de Janeiro - Brazil), Thiago Prego (CEFET/RJ - Brazil)
187254	Computer Vision System with Deep Learning for Robotic Arm Control Rodrigo Melo (Universidade Estadual do Ceará - Brazil), Arata Andrade Saraiva (UESPI - Brazil), José Vigno Moura Sousa (UESPI - Brazil), Thelmo de Araújo (UECE - Brazil)
187102	Crop Anomaly Identification with Color Filters and Convolutional Neural Networks Guilherme Nardari (Universidade de São Paulo - Brazil), Roseli Ap. Francelin Romero (USP-SC - Brazil), Vitor C. Guizilini (University of Sydney - Australia), Igor Araújo Santos (Universidade Federal de São Carlos (UFSCAR) - Brazil)

Human Robot Interaction-1	Human Robot Interaction
	Auditório LUCENA - sexta-feira - 09/11/2018 - 08:30 às 09:50
185495	Adding conscious aspects and simulated emotions through facial expressions in virtual robot navigation with Baars-Franklins cognitive architecture. Danilo Santos (UTFPR - Universidade Tecnológica Federal do Parana - Brazil), Piatan Palar (UTFPR - Universidade Tecnológica Federal do Parana - Brazil), Andre Schneider de Oliveira (Universidade Tecnológica Federal do Paraná (UTFPR) - Brazil), João Fabro (UTFPR - Brazil), Thiago Becker (UTFPR - Brazil)
187182	LARa: a robotic framework for human-robot interaction on indoor environments Caetano Ranieri (University of Sao Paulo - Brazil), Guilherme Nardari (Universidade de São Paulo - Brazil), Adam Pinto (Universidade de São Paulo - Brazil), Daniel Tozadore (University of São Paulo - Brazil), Roseli Ap. Francelin Romero (USP-SC - Brazil)
185559	Towards personalization and adaptation in task based Human-Robot Interaction Daniel Tozadore (University of São Paulo - Brazil), Roseli Ap. Francelin Romero (USP-SC - Brazil), Fernando Vendrameto (University of Sao Paulo - Brazil), João Valentini (Universidade de São Paulo - Brazil), Victor Henrique Rodrigues (Universidade de São Paulo - Brazil), Leticia Sakurai (University of São Paulo - Brazil), Rodrigo Zavarizz (University of São Paulo - Brazil)
185630	User-Prosthesis Interface for Upper Limb Prosthesis Based on Object Classification Julio Fajardo (Universidade Estadual de Campinas - Guatemala), Victor Ferman (Universidade Estadual de Campinas - Brazil), Amparo Muñoz (Universidade Estadual de Campinas - Brazil), Dandara Andrade (State University of Campinas - Brazil), Antonio Ribas Neto (Instituto Federal Catarinense - Brazil), Eric Rohmer (Unicamp - Brazil)

Service robots-1	Service robots
	Auditório LUCENA - sexta-feira - 09/11/2018 - 14:00 às 16:00
187351	A novel architecture for multipurpose reconfigurable Unmanned Aerial Vehicle (UAV): concept, design and prototype manufacturing Murillo Ferreira (UNESP - Brazil), Guilherme Lopes (UNICAMP - Brazil), Esther Colombini (Unicamp - Brazil), Alexandre Simões (UNESP - Universidade Estadual Paulista - Brazil)
	Autonomous Shopping Cart: A new concept of service robot for assisting customers.

183395	Raul Alves (Universidade Federal de Uberlandia - Brazil), Brian Admas (Federal University of Uberlândia - USA), Jefferson Souza (Federal University of Uberlândia (UFU) - Brazil)
185456	Enhancements in a Social Robotics Simulator for Indoor Environments José Pedro Belo (University of São Paulo - Brazil), Helio Azevedo (Centro de Tecnologia da Informação Renato Archer - Brazil), Roseli Ap. Francelin Romero (USP-SC - Brazil)
187224	Modeling and development of a spoken natural language interface for autonomous robot interaction Alexandre Gomes Caldeira (Universidade Federal de Viçosa - Brazil), Alexandre Brandão (Universidade Federal de Viçosa - Brazil)
186255	OntPercept: a Perception Ontology for Robotic Systems Helio Azevedo (Centro de Tecnologia da Informação Renato Archer - Brazil), José Pedro Belo (University of São Paulo - Brazil), Roseli Ap. Francelin Romero (USP-SC - Brazil)
187314	Users perception variance in emotional embodied robots for domestic tasks Adam Pinto (Universidade de São Paulo - Brazil), Daniel Tozadore (University of São Paulo - Brazil), Guilherme Nardari (Universidade de São Paulo - Brazil), Caetano Ranieri (University of Sao Paulo - Brazil), Roseli Ap. Francelin Romero (USP-SC - Brazil)

Humanoids-1	Humanoids
	Auditório JACUMÃ - sexta-feira - 09/11/2018 - 08:30 às 09:50
187341	A mapping approach for real time imitation of human movements by a 22 DOF humanoid Victor Cornejo Arismendi (Universidad Católica San Pablo - Peru), Dennis Barrios-Aranibar (Universidad Católica San Pablo - Peru)
187271	A visual memory system for humanoid robots Vinicius Nicassio (Centro Universitário FEI - Brazil), Sylvio Neto (Centro universitario FEI - Brazil), Aislan Almeida (Centro Universitário FEI - Brazil), Reinaldo Bianchi (Centro Universitario da FEI - Brazil)
187370	Approach to Indoor Location of Mobile Robot using Wi-Fi fingerprint and a variant of the K-NN method Fábio Silva (Instituto Federal da Paraíba - Brazil), Tiago Nascimento (Universidade Federal da Paraíba - Brazil)
183986	Comparing Vision-based Monte-Carlo Localization Methods Aislan Almeida (Centro Universitário FEI - Brazil), Reinaldo Bianchi (Centro Universitario da FEI - Brazil)

Aerial vehicles-1	Aerial vehicles
	Auditório JACUMÃ - sexta-feira - 09/11/2018 - 14:00 às 16:00
187207	A Project of an Embedded Control System for Autonomous Quadrotor UAVs Sarah Madruga (Universidade Federal da Paraíba - Brazil), Augusto Tavares (Universidade Federal da Paraíba - Brazil), Alisson Brito (Universidade Federal da Paraíba - Brazil), Tiago Nascimento (Universidade Federal da Paraíba - Brazil)
185582	Comparison Analysis Between PID and Fuzzy Logic Controllers for Quadrotor in a Simulated and in a Real Environment Fábio Favarim (UTFPR-Universidade Tecnológica Federal do Paraná - Brazil), Kathya Linares (UTFPR - Brazil), Robison Brito (Universidade Tecnologia Federal do Parana - Brazil), Eduardo Todt (Universidade Federal do Paraná - UFPR - Brazil)

187225	Dynamic Markers: UAV landing proof of concept Raul Acuna (TU Darmstadt - Germany), Volker Willert (TU Darmstadt - Germany)
187376	Intelligent Control of a Quadrotor with Proximal Policy Optimization Reinforcement Learning Guilherme Lopes (UNICAMP - Brazil), Murillo Ferreira (UNESP - Brazil), Alexandre Simões (UNESP - Universidade Estadual Paulista - Brazil), Esther Colombini (Unicamp - Brazil)
183503	Unmanned Quadrotor Path Following Nonlinear Control Tuning using Particle Swarm Optimization Manuel Rendón (Universidade Federal de Juiz de Fora - Brazil), Felipe Ferraz Martins (PUC-Rio - Pontifícia Universidade Católica do Rio de Janeiro - Brazil)
187217	Vision-based UAV landing on a moving platform in GPS denied environments using motion prediction Raul Acuna (TU Darmstadt - Germany), Ding Zhang (TU Darmstadt - Germany), Volker Willert (TU Darmstadt - Germany)