

<b>MESAS17 Day 1 - 24 OCT 2017</b>			
<b>Start time</b>	<b>Duration</b>	<b>Activity/Presentation</b>	<b>Presenter</b>
10:00	0:10	<b>Welcoming speech</b>	Director MS COE
10:10	0:15	<b>MESAS17 Chairman's message</b>	University of Pisa
10:25	0:20	<b>Invited presentation - M&amp;S techniques of strategic planning support - Defense Frontline in Europe</b>	prof. Andrzej Najgebauer/MUT in Warsaw/PL
10:45	0:20	<b>Invited presentation - Smart acoustic sensor modelling and grid simulation</b>	prof. Jan Holub/CTU In Prague/CZ
11:05	0:15	<b>Coffee Break</b>	
<b>Session 1 - Chair: Miroslav Kulich</b>			
11:20	0:20	<b>Autonomous 3D Exploration of Large Areas: a cooperative frontier-based approach</b>	Anna Mannucci, Simone Nardi, Lucia Pallottino
11:40	0:20	<b>An integrated approach to autonomous environment modeling</b>	Miroslav Kulich, Viktor Kozák, Libor Přeučil
12:00	0:20	<b>First Responders Robotic Network for Disaster Management</b>	Giuseppe Seminara, Daniele Fontanelli
12:20	0:20	<b>Localization of Unmanned Aerial Vehicles Using an Optical Flow in Camera Images</b>	Viktor Walter, Tomáš Novák, Martin Saska
12:40	0:05	<b>Discussion</b>	
12:45	1:15	<b>Lunch</b>	
<b>Session 2 - Chair: Petr Stodola</b>			
14:00	0:20	<b>Training with and of Autonomous Systems - Modelling and Simulation approach</b>	Jan Hodicky, Dalibor Procházka, Josef PROCHAZKA
14:20	0:20	<b>Modelling of a Group of Social Agents Monitored by UAVs</b>	Davide Vignotto, Federico Morelli, Daniele Fontanelli
14:40	0:20	<b>AUVSIPRO - A Simulation Program for Performance Prediction of an Autonomous Underwater Vehicle with Different Propulsion System Configurations</b>	Minh Tran, Jonathan Binns Binns, Shuhong Chai, Hung Nguyen, Alex Forrest
15:00	0:20	<b>A Verification, Validation and Accreditation Process for Autonomous Interoperable Systems</b>	Alberto Tremori, Pilar Caamaño Sobrino, Arnau Carrera Viñas, Giovanni Luca Maglione, David Solarna, Robert Been, Thomas Mansfield
15:20	0:05	<b>Discussion</b>	
15:25	0:15	<b>Coffee Break / Poster session</b>	

Session 3 - Chair: Paolo Proietti				
15:40	0:20		<b>Modelling &amp; Simulation to Support the Counter Drone Operations (NMSG-154)</b>	Paolo Proietti, Brian Goldiez, Jan Farlik, Bruno Di Marco
16:00	0:20		<b>Path planning for a formation of mobile robots with split and merge</b>	Estefanía Pereyra, Gastón Araguás, Miroslav Kulich
16:20	0:20		<b>Route Optimization for Cooperative Aerial Reconnaissance</b>	Petr Stodola
16:40	0:20		<b>A Framework for Rapid Configuration of Collaborative Aviation System-of-Systems Simulations</b>	Shafagh Jafer, Bernard Zeigler, Doohwan Kim
17:00	0:05		<b>Discussion</b>	
17:05	0:15		<b>Break</b>	
Session 4 - Chair: Shafagh Jafer				
17:20	0:20		<b>Fractional Order Sliding Mode Control System Design for Nonlinear MIMO Systems with Time-Varying Delay</b>	Ozkan ATAN
17:40	0:20		<b>Dynamic Modelling of a Streamer of Hydrophones Towed With an Autonomous Underwater Vehicle</b>	Filippo Arrichiello, Soumic Sarkar, Stefano Chiaverini, Gianluca Antonelli
18:00	0:20		<b>Application of Augmented Reality in Mobile Robot Teleoperation</b>	Tomáš Kot, Petr Novak, Jan Babjak
18:20	0:20		<b>Possibilities of Nanotechnologies for Autonomous Vehicles</b>	Jiří Stodola, Petr Stodola
18:40	0:05		<b>Discussion</b>	
18:45	0:15		<b>Closing remarks</b>	
19:00	2:15		<b>Ice Breaker - Ambrosia Hall, CASA DELL'AVIATORE</b>	

<b>MESAS17 Day 2 - 25 OCT 2017</b>				
9:00	0:05		<b>Opening - Second Day of the MESAS17 Conference</b>	Mesas17 TC
<b>Session 5 - Chair: Stefan Pickl</b>				
9:05	0:20		<b>An exact optimal kinodynamic planner based on homotopy class constraints</b>	Basak Sakcak, Luca Bascetta, Gianni Ferretti
9:25	0:20		<b>ATEROS - Autonomous Telepresence Robotic System</b>	Ludek Zalud, Petra Kalvodova, Tomas Jilek, Frantisek Burian, Tomas Lazna, Petr Gabrlik
9:45	0:20		<b>Mobile Robot Failure Prevention by Real-time Thermal Monitoring</b>	Jan Babjak, Tomáš Kot, Petr Novak, Vaclav Krys, Zdenko Bobovsky
10:05	0:20		<b>Control algorithms for rescue robot RUDA</b>	Radim Luža, Jana Vyroubalová, Martin Apjar, Martin Drahanský
10:25	0:05		<b>Discussion</b>	
10:30	0:15		<b>Coffee Break / Poster session</b>	
<b>Session 6 - Chair: Ludek Zalud</b>				
10:45	0:20		<b>Discrete Event Simulation in Future Military Logistics Applications and Aspects</b>	Pavel Foltin, Martin Vlkovský, Jan Mazal, Jan Husák
11:05	0:20		<b>Accuracy Evaluation Method of Multispectral Data Fusion for Robotic Systems</b>	Petra Kalvodova, Ludek Zalud
11:25	0:20		<b>Using Telemetry for Maintenance of Special Military Vehicles</b>	Jan Furch, Tomas Turo, Zdeněk Krobot, Jiří Šťastný
11:45	0:20		<b>Experiments with the UAS Reconnaissance Model in the Real Environment</b>	Jan Drozd, Petr Stodola, Dana Kristalova, Jaroslav Kozůbek
12:05	0:20		<b>Aspects of the surface-to-air missile systems modelling and simulation</b>	Jan Farlik, Ferdinand Tesar
12:25	0:10		<b>Discussion and closing remarks</b>	
12:35	1:55		<b>Lunch</b>	
14:30	1:00		<b>Social Event - transportation to the Museum</b>	
15:30	2:00		<b>Social Event - Archeology Industrial Museum Visit</b>	
17:30	1:00		<b>Social Event - transportation from the Museum</b>	

<b>MESAS17 Day 3 - 26 OCT 2017</b>			
9:00	0:05		<b>Opening - Third Day of the MESAS17 Conference</b>
			Mesas17 TC
<b>Session 7 - Chair: Lucia Pallottino</b>			
9:05	0:20		<b>Decision support for wide area search in a radiological threat scenario</b>
			Manon Raap, Stefan Pickl, Maximilian Moll, Alexander Bordetsky
9:25	0:20		<b>Aspects of technical requirements for the future autonomy of military vehicles.</b>
			Tomas Turo, Vlastimil Neumann, Zdeněk Krobot
9:45	0:20		<b>Operational Scenario Modelling Supporting Unmanned Autonomous Systems Concept Development</b>
			Fabio Corona, Marco Biagini, Josef Casar
10:05	0:20		<b>Design of an indoor autonomous robot navigation system for unknown environment</b>
			Simone Nardi, Luca Silvestri, Lucia Pallottino
10:25	0:20		<b>Discussion and MESAS18 way ahead considerations</b>
10:45	0:15		<b>Coffee Break / Poster session</b>
11:00	0:15		<b>Closing remarks - End of the MESAS17 Conference</b>
11:15	2:15		<b>MESAS17 C2SIM Competition</b>

<b>Poster Session</b>	
<b>Qualitative analysis of a robot control based on sub-Riemannian distance</b>	Ludmila Bartonova
<b>Measurement and Modelling of the Behavior of Military Pilots</b>	Jiri Kacer, P.Kutilek, V.Křivánek, R.Doskocil, P.Smrcka, Z.Krupka
<b>Advanced military robots supporting engineer reconnaissance in military operations</b>	Michal Kopuleť, Tibor Palasiewicz
<b>Possibilities of modelling and simulation in Military Engineering</b>	Pavel Skalický, Tibor Palasiewicz, Jan Kyjovský, Jaroslav Zelený