



The International
Workshop on Applied Modelling and Simulation

Scientifically Sponsored by Simulation Team, M&S Net, MITIM Genoa, DIME University of Genoa, Liophant Simulation, MSC-LES, Future Forces

Praha, Czech Republic, October 17-19, 2018
www.liophant.org/conferences/2018/wams

WAMS2018 is organized in Synergy with Future Forces Forum, MESAS2018 & MARS



Location: PVA EXPO PRAHA, Beranových 667, 190 00 Prague 9 – Letňany, Czech Republic
GPS 50.1289239N, 14.5150011E

WAMS Program

October 17, 2018

Joint Session

Official Opening Ceremony

October 17, Wednesday, 09:30 - 10:25 - Congress Hall VH2

H.E. Jan Hamáček, Deputy Prime Minister, Minister of the Interior & Acting Foreign Affairs Minister, Czech Republic

H.E. Lubomír Metnar, Minister of Defence, Czech Republic

LTG Aleš Opata, Chief of General Staff, Czech Republic

Mrs. Adriana Krnáčová, Mayor of Prague, Czech Republic /TBC/

Mr. Roman Planička, Director LOM Praha, Czech republic

Mr. Jiří Hynek, President DSIA, Czech Republic

Mr. Daniel Kočí, General Director FFF, Czech Republic

WAMS, I Session

October 17, Wednesday, 10:30 - 12:00 – WAMS Meeting Room

Chair: Riccardo di Matteo - Simulation Team

WAMS_2: Simulation Of Pre-Human Pioneering And Raw Material Factory On Mars

M.J.D.Bonato, A.B.Carneiro, R.Y.Koga, F.T.Leite, A.L.B.V.Rodrigues, D.B.V.Rodrigues, T.M.Teixeira, G.Todesco - FACENS, Sorocaba Engineering College, Brazil

WAMS_3: Finite Element Simulation Of Dyneema UD

M.Hazzard, U.Heisserer, H.Van der Werff, S.R.Hallett - DMS Material Science Center & DSM Dyneema Urmonderbaan, NL; University of Bristol, UK

WAMS_14: Multi Layer Approach with Human Behaviour Modifier to Simulate Food Supply Chain

Agostino G. Bruzzone, Matteo Agresta, Jen Hsien Hsu - Simulation Team, DIME Italy, De Montfort University, UK

All Outdoor Activities and Demonstration are Free & Open to WAMS Attendees

Access to Exhibition Area is Free and Open to WAMS Attendees

Please Remember that WAMS Attendees are welcome into the Social Event, Party in the Hangar on October 17 Evening (20.00-23.30 at Hangar H51, Lom Praha, 24 Airbase Kbely), Semi Formal or Business Attire



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October 17, 2018

Joint Session

Multi-domain Advanced Robotic Systems Conference (MARS) /

October 17, Wednesday, 13:30 - 14:40

Chair: Mr. Daniel Stach – Czech Television, CZE - TBC

Keynote Speeches

General Petr Pavel – Former Chairman of the NATO Military Committee, CZE

Mr. Zdeněk Jelínek - Ministry of Transport, CZE

Mr. Thomas Killion – Chief Scientist, Science and Technology Organization, NATO

LTC Jan Mazal –MARS Chair; Doctrine Education & Training Branch Chief, NATO M&S COE

Joint Session

October 17, Wednesday, 14:00 - 16:00 Discussion Forum/Plenary

Chair: Mr. Daniel Stach – Czech Television, CZE - TBC

Topics at Strategic Level

⊙ UAVs/Drones: Potential of the Future; Civil - Military - Security Forces Cooperation ⊙ Artificial Intelligence – Pros & Cons
⊙ Regulatory Processes – Implementation, Effectivity, Enforcement ⊙ Ethical, Moral, & Legal Aspects in Drone Use

Panelists:

Prof. Ronald Arkin – Regents' Professor & Mobile Robot Lab Director, Research & Space Planning Ass. Dean, Georgia Tech, USA

Prof. Agostino G. Bruzzone – President of Simulation Team & MIPET Full Professor, DIME, University of Genova, ITA

Mr. Thomas C. Irwin – Executive Director, Joint Training Joint Force Development, Joint Chiefs of Staff, J7, US DoD, USA

Mr. Thomas Killion – Chief Scientist, Science and Technology Organization, NATO

Mr. Jan Klas – Director General, Air Navigation Services of the Czech Republic, CZE

Mr. Zdeněk Kučera - Head of the Dispute Resolution and TMT practices at Kinstellar's Prague office, CZE

Navy Capt Vincenzo Milano – Director NATO Modeling & Simulation Centre of Excellence, NATO

Mr. Kevin Mills – Ass. Director of Robotics for Tank Automotive Research Development and Engineering Center (TARDEC), USA

Gen. Petr Pavel - Former Chairman of the NATO Military Committee, CZE

Prof. Michal Pěchouček – Department of Computer Science, Czech Technical University in Prague, CZE

Cdr Joe Strassberger - OF-4 US Navy, Concept Development Branch, NATO SACT, NATO

Social Event

October 17, Wednesday, 20:00 - 23:30 Party, Hangar H51, Lom Praha, 24 Airbase Kbely
Please adopt Semi Formal / Business Attire (e.g. Neck Tie, Jacket, Matching Trousers for Men)



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WAMS Program

October 18, 2018

WAMS, II Session

October 18, Thursday, 10:30 - 12:00 - WAMS Meeting Room

Chair: Marina Massei, DIME, University of Genoa, Italy

WAMS_5: Strategic Engineering and Innovative Modeling Paradigms

Agostino G. Bruzzone, Riccardo Di Matteo, Kirill Sinelshchikov - Simulation Team

WAMS_6: Tempus Fugit: Time as the main parameter for the Strategic Engineering of MOOTW.

Agostino G. Bruzzone, Paolo Di Bella - University of Genoa & DIMS

WAMS_9: A Simulation study to support Strategic Choices to improve Airport Efficiency and Security

Agostino G. Bruzzone, Anna Sciomachen – Simulation Team and DIEC

WAMS_11: Draweva: a Serious Game for Strategic Collaboration

Alessandro De Gloria, Riccardo Berta, Francesco Bellotti, Agostino G. Bruzzone – DITEN & DIME, Italy

WAMS, III Session

October 18, Thursday, 14:00 - 15:25 - WAMS Meeting Room

Chair: M.J.D.Bonato, FACENS, Sorocaba Engineering College,

WAMS_10: New Educational Programs based on M&S for Strategic Engineering

Agostino G. Bruzzone, M.Massei, R.Cianci, A.de Gloria, A.Sciomachen - Simulation Team, DIME, DITEN, DIEC

WAMS_8: NATO needs future Strategic Engineers

Jan Mazal & Agostino G. Bruzzone - University of Defence, Czech Rep., DIME, Italy

WAMS_12: Learning Decision Making Processes at Strategic Level based on VR & Augmented Reality

Agostino G. Bruzzone, Marina Massei, F.Longo, R.Di Matteo, K. Sinelshchikov- Simulation Team, UNICAL

WAMS_7: About a Class of Multicriteria Microarray Games

Vito Fragnelli, Lucia Pusillo - DIMA, Italy

WAMS, IV M&S and Serious Games Panel

October 18, Thursday, 15:30 - 16:00 - WAMS Meeting Room

Chair: Felix Breitenecker, TU Wien

Panelists:

Agostino G. Bruzzone – Simulation Team

Jan Mazal - University of Defence, Czech Rep.

Anna Sciomachen – DIEC, Italy

Michal Štepanovský – FIT, Czech Faculty of Technology in Prague, Czech Rep.

Riccardo Berta - DITEN, Italy

SPEAKERS AND PRESENTERS

Online registration form for speakers and presenters is available at the 2018 website (<http://www.msc-les.org/conf/wams2018/>)