

EWADE 2011 24-27 May 2011

Workshop Program

24th May 19:00-21:00 Welcome cocktail Hotel Royal, 10th floor

25th May, morning

University Congress Centre, Via Partenope (50 m from Hotel Royal and 150 m from Hotel Rex)

"Research and Technology in Aircraft Design. The role of Italian Companies"

09:00 - 09:20 Registration

09:20 - 09:30 Welcome speech

09:30 - 09:40 Introduction (Prof. F. Marulo, Head of Dep. Aerospace Eng.)

09:40 - 09:50 Introduction (Prof. A. Moccia, President of Aerospace Eng. Course)

09:50 - 10:00 Introduction (Prof. L. Lecce)

10.00 - 10.20 ATR (Eng. L. Lombardi, Senior Vice President Operations)

10.20 - 10.40 ATR (Eng. C. Orsi, Vice President Engineering)

10.40 - 11.10 Tecnam (P. Pascale)

coffee break

11.50 - 12.20 Alenia Aeronautica (Eng. Cauceglia)

12.20 - 12.50 Piaggio Aero (Eng. Sollo/Cozzolino)

13.00 - 14.30 *Buffet Lunch offered by Tecnam*

25th May, afternoon

University Congress Centre, Via Partenope (50 m from Hotel Royal and 150 m from Hotel Rex)

EWADE WORKSHOP

14:40 - 15:00 Anatoly Kretov Kazan State Univ. – Rusia 50 years of the first flight a man in space - phenomena of 12th April 1961

15.00 - 15:20 Dieter Scholz Hamburg Univ. – Germany PreSTo The Aircraft Preliminary Sizing Tool

15:20 - 15:40 Fabrizio Nicolosi Univ. of Naples – Italy DEVELOPMENT OF A SOFTWARE FOR AIRCRAFT PRELIMINARY DESIGN AND ANALYSIS

15:40 - 16:00 Arthur Rizzi Royal Inst KTH – Sweden Using CEASIOM-SUMO Rapid-Meshing in Computational Study of Asymmetric Aircraft Design

16:00 - 16:20 Sven Ziemer Bauhaus Luftfahrt – Germany CDT - Presentation of an open source framework for multi-disciplinary concept a/c design

18:00 - 20:00 Social Event. Transfer with bus and Visit to S. Lorenzo archaeological site and Naples historical centre

20:00 - 21:00 Dinner with pizza

21:00 - 22:00 Visit to S. Gregorio Armeno street and traditional hand-crafted nativity scenes

26th May, morning

Faculty of Engineering. P. le Tecchio. Transfer at 8.40 from Hotel Royal through bus.

EWADE WORKSHOP

09:20 - 09:40	Mihaela Nita	Hamburg Univ. – Germany	Parameter Optimization for an Interactive Aircraft Design
09:40 - 10:00	Rodrigo Martinez Val	Univ. of Madrid – Spain	DESIGN POINT, OPERATING POINT AND PRODUCTIVITY OF TRANSPORT AIRPLANES
10:00 - 10:20	Aldo Frediani	Pisa Univ. – Italy	Conceptual design of an innovative large PrandtlPlane Freighter

Coffee break

11:00 - 11:20	Valeriy A Komarov	Univ. of Samara – Russia	AIRCRAFT DESIGN USING VARIABLE DENSITY MODELS
11.20 - 11:40	Anatoly Kretov	Kazan State Univ. – Rusia	About integration professional education in Russia The role of Flight Simulation and Flight Tests in Aircraft Design
11:40 - 12:00	Agostino De Marco	Univ. of Naples – Italy	

12:20 - 13:00 Visit to Laboratories of Dep. of Aerospace Engineering

13:00 - 14:30 Lunch

14:30 - 18:00 Transfer with bus to Tecnam (Capua) and visit to Tecnam

Back to Hotel Royal at 18:00

20:00 - 23:00 SOCIAL DINNER

27th May, morning

Faculty of Engineering. P. le Tecchio. Transfer at 8.40 from Hotel Royal through bus.

EWADE WORKSHOP

09:20 - 09:40	Vladimir Zhuravlev	Moscow Av. Inst. – Russia	Russian Approach to Aircraft Design and Aeronautical Education
09:40 - 10:00	Pavel Zhuravlev	Moscow Av. Inst. – Russia	Role of Modifications in the Development of Passenger Airplanes
10:20 - 10:40	Gianfranco La Rocca	TU Delft - The Netherlands	Aircraft Design and Optimization. MDO and KBE

Coffee break

11:20 - 11:40	Nicole Viola	Politecnico Torino – Italy	A Simulink based Status model to Test Multiple System Integration
11:40 - 12:00	Marco Fioriti	Politecnico Torino – Italy	Regional turboprop conversion for AEW&C purposes supposing auxiliary engine installation
12:20 - 12:40	Askin T. Isikveren	Bauhaus Luftfahrt – Germany	Electro-mobility and the Future of Transport Aircraft Development

13:00 - 14:00 Lunch

14:20-14:40	Damian Rivas	University of Sevilla – Spain	Optimality of Breguet range equation for high-speed commercial aircraft
14:40-15:00	Patrick Berry	Linköping Univ. – Sweden	Aircraft Design at Linköpings University From conceptual design to flight test
15:00-15:20	Christopher Jouannet	Linköping Univ. – Sweden	Realisation and flight testing of a scaled generic fighter

Back at Hotel Royal at about 16:00

Free visit to Naples