

OUTLINE TECHNICAL PROGRAMME - [CLICK TIMES TO ACCESS DETAILS & PAPERS](#)

24th ICAS Congress, 29 August - 3 September 2004, Yokohama, Japan

Monday August 30	From 8:00	REGISTRATION							
	8:30-9:00	OPENING SESSION							
	9:00-10:00	ICAS DANIEL & FLORENCE GUGGENHEIM MEMORIAL LECTURE - Progress and Future Prospects of CFD in Aerospace							
	10:00-10:30	BREAK							
	Room	501/502	411/412	413	414/415	416/417	418	419	513
	10:30-12:30	1.1 Conceptual Design Methods I	2.1 Unsteady Flow Methods	3.1 Wind Tunnel Measurement Systems	4.1 Aerodynamics of Delta Wings With Vortices	5.1 Structural Dynamics I	6.1 Combustion and Cooling	7.1 Control of High Speed Vehicles	8.1 Air Transport and ATM Systems Development
	12:30-14:00	LUNCH							
14:00-15:30	1.2 Conceptual Design Methods II	2.2 Unsteady Flow Applications	3.2 Pressure Sensitive Paint Studies	4.2 Cavity Inlet and Outlet Flows	5.2 Structural Dynamics II	6.2 Compressors	7.2 Applied Control Theory	8.2 Air Traffic Management Operations I	
15:30-16:00	BREAK								
16:00-18:00	1.3 Blended Wing Body Aircraft	2.3 CFD Applications I	3.3 Stability, Receptivity, Transition I	4.3 Aerodynamic Optimisation for High Speed Aircraft	5.3 Design and Performance of Composite Structures	6.3 Fans and Propellers	7.3 Control of Unmanned Air Vehicles	8.3 Air Transport System Capacity	
Tuesday August 31	8:00-9:00	GENERAL LECTURE I - Perspectives of Future Developments of Vertical Flight							
	9:00-9:30	BREAK							
	9:30-12:00	1.4 Multidisciplinary Design Optimisation	2.4 CFD Algorithms	3.4 Aeroacoustics	4.4 Subsonic Aircraft Aerodynamic Research	5.4 Metallic Airframe Structures	6.4 Propulsion Systems	7.4 Methodology and System Approach	8.4 Air Traffic Management Operations II
	12:00-13:30	LUNCH							
	13:30-14:15	GENERAL LECTURE II - Bigger, Faster, Greener, Cheaper ? Developing the AIRBUS Response to the Vision 2020 Demands							
	14:30-16:00	1.5 Conceptual Design Methods III	2.5 CFD Performance Optimization	3.5 Stability, Receptivity, Transition II	4.5 Structural Analysis and Design	5.5 Materials and Manufacturing Methods	6.5 Intakes and Nozzles	7.5 Ice Accretion and De-Icing Technologies	8.5 Air Traffic Management Operations III
	16:00-16:30	BREAK							
16:30-18:30	1.6 Unmanned Air Vehicles I	2.6 CFD Applications II	3.6 Compressible and Vortex Flows	4.6 Safety Aspects	5.6 Manufacturing Methods for Metallic Structures	6.6 Hypersonic Propulsion Components	7.6 Subsystems and Equipment	8.6 Training, Certification and Safety Information	

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Wednesday Sept. 1	8:00-9:30	GENERAL LECTURE III - Innovation in Aerospace & Defence Industry - A European/US Perspective							
	9:30-10:00	BREAK							
	Room	501/502	411/412	413	414/415	416/417	418	419	513
	10:00-12:30	1.7 General Aviation	2.7 CFD Design Methods	3.7 Hypersonic Flow	4.7 Optimization	5.7 Aeroelasticity I	6.7 ISABE I	7.7 Design and Development	8.7 Crashworthiness Analysis and Testing
	12:30-14:00	LUNCH							
	14:00-15:30	1.8 Innovation in Aerospace Concepts	2.8 Models for Complex Flow	3.8 Jet and Nozzle Flow	4.8 Control Theory	5.8 Aeroelasticity II	6.8 ISABE II	7.8 Systems Engineering Knowledge and Needs	8.8 Reliability, Maintenance and Health Monitoring
	15:30-16:00	BREAK							
16:00-18:00	1.9 Rotorcraft Design	2.9 Vortex Studies	3.9 Flow Control	4.9 Performance and Handling	5.9 Processing and Properties of Composite Materials	6.9 Emissions Reduction and Atmospheric Impact	7.9 Innovations in Aerospace Business	8.9 High Temperature Materials	
Thursday Sept. 2	8:30-9:30	GENERAL LECTURE IV - Transformations in Air Transportation Systems for the 21st Century							
	9:30-10:00	BREAK							
	10:00-12:30	1.10 Unmanned Air Vehicles II	2.10 Experimental Test Techniques	3.10 Aerodynamics of Unmanned and Micro Air Vehicles	4.10 Flight Testing	5.10 Aeroelasticity III	6.10 Noise Reduction and Procedures	7.10 ISABE III	8.10 Student finalists
	12:30-14:00	LUNCH							
	14:00-15:30	1.11 Space Transportation	2.11 Winglet and Fin Studies	3.11 High Lift aerodynamics	4.11 Identification in Control Systems	5.11 Structural Dynamics III	6.11 Rotorcraft Aerodynamics	7.11 Flight Operation and Human Factors	8.11 Simulation & Modelling
	15:30-16:00	BREAK							
	16:00-17:00	VON KARMAN LECTURE							
17:00-17:30	CLOSING CEREMONY								
Friday Sept. 3	TECHNICAL VISITS								