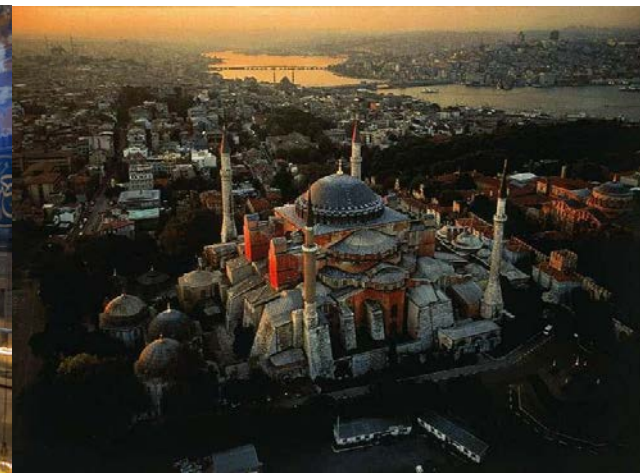
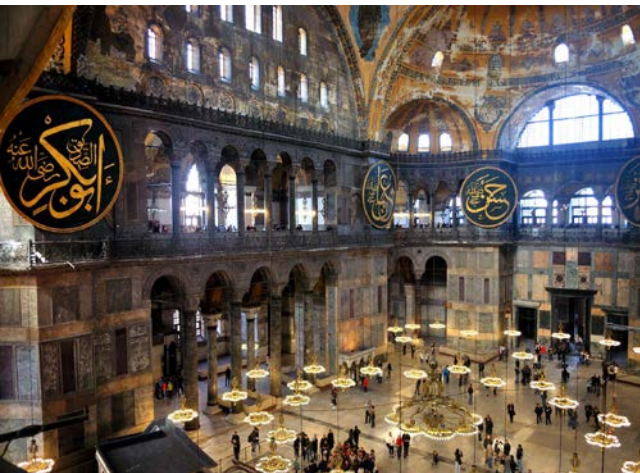




6th International Conference on Research in Air Transportation (ICRAT)

May 26-30, 2014

Istanbul Technical University, Istanbul, Turkey





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4th International Conference on Application and Theory of Automation in Command and Control Systems (ATACCS)

ComplexWorld

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ICRAT is a forum encouraging students and young researchers (and their mentors) within air transportation to share their work, expand their professional network, gain new knowledge and inspiration, and discover the new challenges confronting society and the market. www.icrat.org

ATACCS addresses the technical, ethical, organisational and safety challenges, together with the applications and theories related to the replacement of human roles by automation, which implies the use of systems to administer the tasks of humans including conformance monitoring and automation management. www.ataccs.org

Complex World addresses research on the applicability of Complex Systems Science methodologies and Data Science with the objective of advancing the understanding of ATM system behaviour, as a necessary step prior to improving its overall performance. www.ComplexWorld.eu





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- Safety, security and human performance
- Environment and energy efficiency, climate change and impact
- Socio-technical complexity and applications of data science in aviation
- Advanced modeling and design methodologies, including network, human-machine interaction, and trajectory operations models
- Network management, and traffic flow optimization, system resilience and crisis management
- Trajectory optimization and trajectory and separation management
- Airport design, management and operations
- Air transportation governance, economics and policy
- Air transportation system performance measurement and management
- Airline operations and quality of service
- Decision support systems, automation and human machine collaboration
- Automation strategies and application of successful automation techniques from other domains to air transportation
- Information management, enhanced communication, surveillance and navigation
- New air vehicle integration.