



THE FUTURE IS IN THE SKIES

M.Kemal ATATÜRK
Founder of Turkish Republic



WITH THE CONTRIBUTIONS FROM

ALGERIA 	AUSTRALIA 	AUSTRIA 	AZERBAIJAN 
BULGARIA 	CANADA 	P.R. CHINA 	CZECH REPUBLIC 
DENMARK 	EGYPT 	FRANCE 	GERMANY 
GUATEMALA 	HUNGARY 	INONESIA 	IRAN 
IRAQ 	ITALY 	JAPAN 	SOUTH KOREA 
MALAYSIA 	MEKSIKA 	NETHERLANDS 	NIGERIA 
PAKISTAN 	PERU 	ROMANIA 	RUSSIA 
SAUDI ARABIA 	SPAIN 	SRI LANKA 	SUDAN 
TAIWAN 	TUNISIA 	TÜRKİYE 	UKRAINE 
UNITED ARAB EMIRATES 	UK 	USA 	VIETNAM 



CONTENTS

1	Program at a Glance	4-5
2	Invited Speakers	6
3	Conference Program	7-40
4	Conference Venue	41-42
5	Building Plans	43-45
6	Program of Events	46
7	Administrative Guide	47
8	Useful Phone Numbers	48
9	RAST2013	49

PROGRAM AT A GLANCE

SS : Special Session

TIME	09 JUNE 2011 THURSDAY
	<i>Lütfi Kırdar Con.&Exhibition Center</i>
	<i>Anadolu Auditorium</i>
13:00	
	REGISTRATION
14:00	
	Chair: Fuat Ince
	OPENING CEREMONY/PLENARY SESSION-1
	General Hasan AKSAY (Commander, Turkish Air Force)
	Kai-Uwe SCHROGL (Director, ESPI)
	Tetsuo TANAKA (JAXA)
15:40	
	COFFEE BREAK
16:00	
	Chair: Fuat Ince
	PLENARY SESSION-2
	Shahid HABIB (NASA)
	Hiroaki AKIYAMA (Wakayama Univ.)
	Brig.Gen. Ali ÇETINKAYA (TuAF)
18:00	
	COCKTAIL (BOAT TOUR)
	DEPARTURE FROM LUTFI KIRDAR AT-18.00
	DEPARTURE FROM KABATAS PIER AT 18.30
	(UPON INVITATION)



PROGRAM AT A GLANCE

TIME	10 JUNE 2011 FRIDAY						11 JUNE 2011 SATURDAY				
	Harbiye Military Museum&Cultural Center						Harbiye Military Museum&Cultural Center				
08:00	ROOM A	ROOM B	ROOM C	ROOM D	ROOM E	POSTER AREA	ROOM A	ROOM B	ROOM C	ROOM D	ROOM E
09:00	FREE						FREE				
	Ch.:F. Ince Inv.: Udo Diedrichs	Ch.:N. Ismatoglu	Ch.:T. Günel	Ch.:R. Rustamov	Ch.:A. Hacıoğlu		Ch.:I. Bekmezci	Ch.:M.E. Aydemir	Ch.:M. Ilarslan	Ch.:Y.V. Pehlivanoglu	Ch.:F.O. Edis
	S1-A INTERNATIONAL COOPERATION	S1-B SS ON RASAT-1	S1-C SPACE COMMUNICATION	S1-D AEROSPACE MATERIALS AND STRUCTURES-1	S1-E SPACE PROPULSION AND LAUNCH-1		S5-A SATELLITE DESIGN-4	S5-B REMOTE SENSING-3	S5-C NAVIGATION AND CONTROL-3	S5-D STUDENT SATELLITES, CUBESATS & EDUCATION-2	S5-E SPACE PROPULSION AND LAUNCH-3
10:40	COFFEE BREAK						COFFEE BREAK				
11:00	Ch.:H. Temeltag	Ch.:G. Öke	Ch.:Y. Somov	Ch.:S. Onbagoğlu	Ch.:M.F. Ünal		Ch.:H.A. Erслан	Ch.:C.S. Tüfekçi	Ch.:Y. Somov	Ch.:F. Ince	Ch.:Z. Kaymaz
	S2-A SATELLITE DESIGN-1	S2-B SPACE ROBOTICS	S2-C SS ON METHODS FOR SPACECRAFT GUIDANCE, NAVIGATIONS CONTROL-1	S2-D AEROSPACE MATERIALS AND STRUCTURES-2	S2-E SPACE PROPULSION AND LAUNCH-2	POSTER SESSION	S6-A SATELLITE DESIGN-5	S6-B SS ON RASAT-2	S6-C SS ON METHODS FOR SPACECRAFT GUIDANCE, NAVIGATION & CONTROL-2	S6-D SPACE SECURITY AND SOCIAL BENEFITS	S6-E SPACE SCIENCE AND WEATHER
12:40	LUNCH (TURKISH OFFICERS' CLUB)						LUNCH (TURKISH OFFICERS' CLUB)				
13:00	LUNCH (TURKISH OFFICERS' CLUB)						LUNCH (TURKISH OFFICERS' CLUB)				
14:00	Ch.:A.R. Aslan	Ch.:F. Sunar	Ch.:O. Kaynak	Ch.:A. Torre	Ch.:H. Akiyama						
	S3-A SATELLITE DESIGN-2	S3-B REMOTE SENSING-1	S3-C NAVIGATION AND CONTROL-1	S3-D SS ON COSMO- SKYMED	S3-E STUDENT SATELLITES, CUBESATS & EDUCATION-1	POSTER SESSION					
15:40	COFFEE BREAK						COFFEE BREAK				
16:00	Ch.:T. Kocak	Ch.:D. Maktav	Ch.:H. Gürgün	Ch.:M.A. Yükselen	Ch.:C. Özdemir						
	S4-A SATELLITE DESIGN-3	S4-B REMOTE SENSING-2	S4-C NAVIGATION AND CONTROL-2	S4-D AEROSPACE MATERIALS AND STRUCTURES-3	S4-E SAR	POSTER SESSION					
18:00	PERFORMANCE BY HISTORIC JANISSARY BAND (30 Ağustos Zafer Halli)										
18:45											



INVITED SPEAKERS

No	Name	Affiliation	Title of Speech	Date/Time	Place
1	Prof.Dr. Kai-Uwe Schrogl	Director, European Space Policy Institute (ESPI)	Leading or following? – What Should Europe's Ambitions in Space Be for 2030 and Beyond?	09 JUNE 2011 14.20-15.00	Lütfi Kırdar Con.&Exhib. Center Anadolu Auditorium
2	Mr. Tetsuo Tanaka	Director of International Relations Department of JAXA	JAXA's Space Activities	09 JUNE 2011 15.00-15.40	
3	Dr. Shahid Habib	Chief, Office of Applied Sciences, NASA	Space Technology and Earth System Science	09 JUNE 2011 16.00-16.40	
4	Prof.Dr. Hiroaki Akiyama	Institute For Education On Space Wakayama University	Japanese New Space Development Strategy	09 JUNE 2011 16.40-17.20	
5	Brig.Gen. Ali Çetinkaya	Turkish Air Force	Turkish Air Force's Space Vision	09 JUNE 2011 17.20-18.00	
6	Dr. Udo Diedrichs	Department of Political Science, University of Cologne	The Role of Space for the European Union's Common Security and Defence Policy: Important But Impossible?	10 JUNE 2011 09.00-09.25	Room A: İnönü Hall



OPENING CEREMONY AND PLENARY SESSIONS 1-2

09 JUNE 2011 THURSDAY

14.00-18.00

Lütfi Kırdar Convention&Exhibition Center

Chair : Fuat İnce

Hall: Anadolu Auditorium

Time	Program
14.00-14.05	National Anthem
14.05-14.20	General Hasan AKSAY (Commander, Turkish Air Force) <i>Opening Speech</i>
14.20-15.00	Prof.Dr. Kai-Uwe Schrogl (ESPI) <i>"Leading or following? – What Should Europe's Ambitions in Space Be for 2030 and Beyond?"</i>
15.00-15.40	Mr. Tetsuo Tanaka (JAXA) <i>"JAXA's Space Activities"</i>
15.40-16.00	Coffee Break
16.00-16.40	Dr. Shahid Habib (NASA) <i>"Space Technology and Earth System Science"</i>
16.40-17.20	Prof.Dr. Hiroaki Akiyama, Shusaku Yamaura (Wakayama University) <i>"Japanese New Space Development Strategy"</i>
17.20-18.00	Brig.Gen. Ali Çetinkaya (Turkish Air Force) <i>"Turkish Air Force's Space Vision"</i>



09 JUNE 2011 THURSDAY

14.00-15.40

Plenary : Plenary Session-1

Chair : Fuat Ince

Room: Anadolu Auditorium

No	Title	Author(s)
1	Leading or following? – What Should Europe's Ambitions in Space Be for 2030 and Beyond?	Kai-Uwe Schrogl
2	JAXA's Space Activities	Tetsuo Tanaka

09 JUNE 2011 THURSDAY

16.00-18.00

Plenary : Plenary Session-2

Chair : Fuat Ince

Room: Anadolu Auditorium

No	Title	Author(s)
1	Space Technology and Earth System Science	Shahid Habib
2	Japanese New Space Development Strategy	Hiroaki Akiyama, Shusaku Yamaura
3	Turkish Air Force's Space Vision	Ali Çetinkaya



10 JUNE 2011 FRIDAY

09.00-10.40

S1A : International Cooperation

Chair : Fuat Ince

Room A: İnönü Hall

No	Title	Author(s)
1	The Role of Space for the European Union's Common Security and Defence Policy: Important But Impossible?	Udo Diedrichs
2	The Picture of the Global Space Market Today, and its Emerging needs for today and near future	Egemen Ozalp
3	Report of CanSat Leader Training Program	Shusaku Yamaura, Hiroaki Akiyama, Rei Kawashima
4	International Cooperation among Space-Faring Countries of Africa	Olusoji Nester John, Isiaku N. Alfa, Ezekiel O. Eguaroje
5	Joint Satellite Projects and Their Role in Sustaining the Development of Space Programs in Developing Countries	Mohamed B. Argoun
6	A Global Space Policy that Would Revive Space Exploration	Tanay Sharma, C. Chatwin, D. Young, P. Birch



10 JUNE 2011 FRIDAY

09.00-10.40

S1B : Special Session on First Micro Satellite Designed and
: Built in Turkey: RASAT-1

Chair Neslin İsmailoğlu

Room B: Fevzi Çakmak Hall

No	Title	Author(s)
1	Space Environment and Evaluation for RASAT	Murat Hudaverdi, İlknur Baylakoğlu
2	On Board Data Handling Subsystem Featuring BiLGE	Mehmet Durna, Onur Atar, Mustafa Ceylan, Yaman Cakmakci, Mustafa Demirci, Omer Ali Kozal, Mehmet Oturak, Ali Ozdemir, Onur Turhan
3	Power Subsystem of RASAT Flight Model	Hasan Özkaya, Emrah Akkuş, Başak Gonca Özdemir, Halil Kavak, Ercan Karagöz, Barış Çolak, Egemen İmre
4	Communication Subsystem of RASAT	Dilşad İçöz, Nazlı Deniz Kahyaoğlu, Muhsin Bölücek, Emrah Öncü, Tunahan Kırılmaz, Celal Dudak, Hacer Sunay, Volkan Akan, Özlem Şen
5	GEZGİN-2: Image Processing Subsystem of RASAT	Neslin Ismailoglu, Bilgin Vargün, Refik Sever, Burak Okcan, Koray Karakus, Kerem Kapucu, Rusen Oktem



10 JUNE 2011 FRIDAY

09.00-10.40

S1C : Space Communication

Chair : Tayfun Günel

Room C: Kocatepe Hall

No	Title	Author(s)
1	Plasma Manipulation using a MHD-Based Device for Communication Blackout in a Hypersonic Flights	Minkwan Kim, Ali Gülhan
2	Communication Link Improvement Through Antenna Optimization for Satellite, Space, and Radio Astronomy Systems	Ozlem Kilic, Vinh Dang, Amir I. Zaghloul
3	Optimization of F2 Layer Parameters Using IRI-Plas Optimization of F2 Layer Parameters Using IRI-Plas	Oktay Sahin, Umut Sezen, Feza Arikan, Orhan Arikan, Bahadır Aktug
4	Modeling of the Phase Noise Influence in the General M-PSK System	Ondrej Baran, Miroslav Kasal, Petr Vagner, Tomas Urbanec
5	Energy and Distance Factor Based Routing Protocol for Wireless Sensor Networks Using Mobile Agents	Akhan Akbulut, Cihangir Parmaksizoglu, A. Halim Zaim, Güray Yılmaz



10 JUNE 2011 FRIDAY

09.00-10.40

S1D : Aerospace Materials and Structures-1

Chair : Rustam Rustamov

Room D: Barbaros Hall (A)

No	Title	Author(s)
1	Unmanned Aerial Systems Near-Space Operation Concept	Coşkun Kürkçü, Haluk Erhan, Saban Umut
2	Conceptual Mission Analysis of Simbir: A Near Space Lighter than Air Remote Sensing Platform for Gazera Scheme	Abou Bakr Mohamed Elhady, Osama Abd Alwahab Rayis
3	The Nonlinear Transverse Vibrations of Narrow Microbeams by the Energy Balance Method	Vusal Tagiyev, Seher Durmaz, Metin Orhan Kaya
4	A Low Cost Alternative for Satellites-Tethered Ultra-High Altitude Balloons	Kunsel İzet Ünsalan, Deniz Ünsalan
5	Extension and Flapwise Bending Vibration Analysis of A Rotating Piezolaminated Composite Timoshenko Beam	Ozge Ozdemir Ozgumus, Metin Orhan Kaya
6	Free Vibration Analysis of Rotating Thin-Walled Composite Beams	Seher Durmaz, Ozge Ozdemir Ozgumus, Metin Orhan Kaya



10 JUNE 2011 FRIDAY

09.00-10.40

S1E : Space Propulsion and Launch-1

Chair : Abdurrahman Hacıoğlu

Room E: Barbaros Hall (B)

No	Title	Author(s)
1	Air Plasma Jet Propulsion for High-Altitude Solar Flyer	Berkant Goeksel, Igor Mashek, Alexander Lyublinsky, Sergey Korotkov, Nafiz Alemdaroglu
2	On the NDP Onset in Pre-Ignition Transient of High Performance SRMs: VEGA Z9A Experience	Bernardo Favini, Enrico Cavallini, Andrea Di Mascio, Giacomo Rossi, Maurizio Di Giacinto, Ferruccio Serraglia
3	Extraction and Acceleration of Ions from an Ion-Ion Plasma – Application to Space Propulsion	Lara Popelier, Ane Aanesland, Stéphane Mazouffre, Pascal Chabert
4	Approximate Solution of Inviscid Flow for Prediction of Flow Characteristic Around Re-Entry Vehicles	Seyedamir Hosseini, Sahar Noori, Alireza Toloei
5	Impact of Discharge Chamber Geometry on Characteristics of a Low-Power Hall Thruster	Stéphane Mazouffre, Kaethe Dannenmayer, Guillaume Bourgeois, Aurélien Lejeune, Marcel Guyot, Stéphane Denise, Patrice Renaudin, Vladimir Cagan
6	Preliminary Design and Simulation of a Cold Gas Thruster	Atieh Alihoseini, Ehsan Allah Tahmasebi, Hasan Karimi



10 JUNE 2011 FRIDAY

11.00-12.40

S2A : Satellite Design-1

Chair : Hakan Temeltaş

Room A: İnönü Hall

No	Title	Author(s)
1	A Dual-Core ASIC Architecture for High-Speed On-Board Image Compression with JPEG2000	Neslin Ismailoglu, Koray Karakuş, Kerem Kapucu, Ozan Yılmaz, Yakup Murat Mert, Huseyin Erdem Kazak, Rusen Oktem
2	Extracting Best Reliable Scheme for Electrical Power Subsystem (EPS) of Satellite	Gholamreza Farahani, Mohsen Taherbaneh
3	A JPEG2000 Bit Plane Coder Implementation Combining Group Of Columns Skipping And Concurrent Membership Testing Strategies	Kerem Kapucu, Koray Karakuş, Neslin Ismailoglu, Rusen Oktem
4	Modified Series-Connected Boost Converter in Power Subsystem of a LEO Satellite	Mohsen Taherbaneh, Gholamreza Farahani
5	A High Throughput MQ Arithmetic Encoder Implementation for JPEG2000	Yakup Murat Mert, Neslin Ismailoglu, Rusen Oktem
6	ATB – An AOCS Test Bed Simulation Framework	Osman Kalden, Michael Irvine



10 JUNE 2011 FRIDAY

11.00-12.40

S2B : Space Robotics

Chair : Gülay Öke

Room B: Fevzi Çakmak Hall

No	Title	Author(s)
1	Free-Flying Manipulation Robot Using for in-Orbit Assembly of Large Space Structures	Vladislav Rutkovsky, Victor Sukhanov, Victor Glumov
2	Use of Technology Virtual Reality for the Study of Human – Operator in Extreme Conditions	Peter Getsov, Wiliam Popov, Zoya Hubenova, Georgi Sotirov, Konstantin Metodiev, Stoyan Tanev, Lubomir Aleksiev, Svetlin Doshev
3	A Comparative Study of Dynamics Models for Satellite Formation Flying – Cartesian Ordinary Differential Equations Description	M. Navabi, Mohammad Barati, Hossein Bonyan Khamseh
4	High Order Sliding Mode Control of a Space Robot Manipulator	Aydemir Arisoy, Mehmet Kemal Bayrakceken, Suleyman Basturk, Metin Gokasan, O. Seta Bogosyan
5	Drawing of the Random Impact Points 3-Sigma Ellipse in Reentry of a Specified Space Body Using Monte Carlo Method	Ebrahim Khodabakhshi, Ali reza Toloei, Vali Bemani
6	Scientific Research Complex for the Study of Human Operator in Extreme Conditions	Ivan Dimitrov, Stoyan Tanev, Petar Getsov, Plamen Trendafilov, Hristo Hristov, Lubomir Aleksiev, Svetlin Doshev



10 JUNE 2011 FRIDAY

11.00-12.40

S2C : Special Session on Methods for Spacecraft Guidance,
: Navigation and Control-1

Chair Yevgeny Somov

Room C: Kocatepe Hall

No	Title	Author(s)
1	Precise Nonius Guidance and Image Stabilization of a Large Space Telescope	Yevgeny Somov, Houria Siguerdidjane, Victor Fedosov
2	The Selenocentric Orbit's Formation as One of Guidance Problems of Spacecraft with Low Trust which Accomplishes Transport Tasks in the Earth-Moon System	Olga Leonardovna Starinova, Irina Leonidovna Materova
3	The Low Thrust Space Vehicle Optimal Guidance during the Earth-Moon System Mission	Olga Leonardovna Starinova, Irina Leonidovna Materova
4	In-Flight Magnetometer Calibration via Unscented Kalman Filter	Halil Ersin Soken, Chingiz Hajiyev
5	REKF and RUKF Development for Pico Satellite Attitude Estimation in the Presence of Measurement Faults	Halil Ersin Soken, Chingiz Hajiyev



10 JUNE 2011 FRIDAY

11.00-12.40

S2D : Aerospace Materials and Structures-2

Chair : Seyhan Onbaşioğlu

Room D: Barbaros Hall (A)

No	Title	Author(s)
1	A New Approach to Yield Prediction in Cellular Solids	Murat Vural, Ravi Sastri Ayyagari
2	Automatization of Spacecraft Designing with the Aid of Problem-Oriented Systems	Alexander Kuchеров
3	Emirates Aviation College CubeSat Project: Tuning of Natural Modes, Static and Dynamic Analyses of the Strength Model	Hesham Hamed Ibrahim, Moustafa Eiswy, Abdul Rahman El Sayed, Zafar Mirza, Tarek Nada
4	Monitoring the Integrity of Machine Assemblies by Using Surface Response to Excitation (SuRE) Approach	Ibrahim N. Tansel, Benjamin L. Grisso, Gurjiwan Singh, Gurjashan Singh, Liming W. Salvino, Balemir Urangun, Srinkath Korla
5	Integrated Identification and Control Of Magneto-Rheological Dampers For Manned Space Missions	Mustafa Aytug Kaya, Mehmet Kemal Bayrakceken, Eyyup Celik



10 JUNE 2011 FRIDAY

11.00-12.40

S2E : Space Propulsion and Launch-2

Chair : M. Fevzi Ünal

Room E: Barbaros Hall (B)

No	Title	Author(s)
1	Access to Orbit - Developments and Visions for the Small and Nanosatellite Launch Market	Abe Bonnema, Joost Elstak, Michiel Van Bolhuis
2	Effect of Atmosphere Model on Suborbital Launch Vehicle Trajectory Analysis for a Hypothetical Launch from Turkey	Ibrahim Yaman, Başar Seçkin
3	A New Way of Interplanetary Transport	Andras Bela Olah
4	Review of Emerging Physics for Gravitational Field Propulsion	Berkant Goeksel
5	From Surface to Orbit	Andras Bela Olah



10 JUNE 2011 FRIDAY

11.00-18.00

P : Poster Session

Chair : **Poster Area**

No	Title	Author(s)
1	Quasi-Equilibrium Glide Auto-Adaptive Entry Guidance Based on Ideology of Predictor-Corrector	Mingliang Xu, Luhua Liu, Guojian Tang, Kejun Chen
2	Multidisciplinary Design Optimization of an Expendable Launch Vehicle	majid hosseini, Alireza Toloie, Mehran Nosratollahi, Amir Adami
3	Simulation Model Development Environment Using 3 Dimensional Model-Based Approach	Hoon-Hee Lee, Cheol-Hea Koo, Ki-Lyuk Yong, Michael Irvine
4	Assessment of MERIS Ocean Color Products Using in Situ Data Collected in the Northwestern Black Sea	Violeta Slabakova, Nataliya Slabakova, Ognyana Hristova, Boryana Dzhurova
5	Research of Equilibrium Glide Guidance Method Based on the Generalized Reference-Trajectory	Liu Jun, Chen Ke-jun, Guo-Jian Tang
6	Reentry Vehicle Modeling and Sliding Mode Controller Design	Peng Wang, Luhua Liu, Jie Wu, Wei Zheng
7	Development of Integrated INS/GPS Navigation System for Unmanned Air Vehicle Based on Kalman Filtering Technique	Mustafa Dinç, Elmas Anlı, Chingiz Hajiyev, Ibrahim Özkol
8	Multidisciplinary Design Optimization of a Manned Reentry Mission Considering Trajectory and Aerodynamic Configuration	Amirhossein Adami, Mehran Nosratollahi, Mehdi Mortazavi, Majid Hosseini
9	Probing of Order Parameters in Magnetolectric Multiferroics	Kiril Assenov Krezhov
10	Finite Element Modelling and Analysis of Simple Lap Joints	Ilker Uysal, Ibrahim Ozkol, Murat Suer
11	Design and Study of Dielectric Double Chirped Mirrors in Ultra Short Femtosecond Pulse Lasers	Elham Jasim Mohammad, Amal Mohammed Ali Al-Hillou



- | | | |
|----|--|---|
| 12 | A Reentry Trajectory Planning Approach Satisfying Waypoint and No-Fly Zone Constraints | Yu Xie, Luhua Liu, Guojian Tang, Wei Zheng |
| 13 | A Decentralized Design Philosophy for Satellites | Jesper Abildgaard Larsen, Jens Dalsgaard Nielsen |
| 14 | Applying Railgun Technology to Small Satellite Launch | Stephan Hundertmark |
| 15 | Multi-Criteria Spatial Decision Support System for Valuation of Open Spaces for Urban Planning | Derya Maktav, Carsten Jürgens, Alexander Siegmund, Filiz Sunar, Hayriye Eşbah, Kaan Kalkan, Cihan Uysal, Onat Yiğit Mercan, İrfan Akar, Holger Thunig, Nils Wolf |
| 16 | Influences Of The Solar Incidents On The Ionosphere | Onur Ünver, Zehra Can |
| 17 | Mission Analysis and Planning of a CANSAT | Cihan Cabuloglu, Erhan Caliskan, Hüseyin Aykıs, Yasin Karataş, Resul Yapacak, Ömer Ağırbaş, Şaban Abur, Süleyman Soyer, Halit Türkmen, Serdar Ay, Mustafa Emre Aydemir, Mansur Çelebi |
| 18 | A New Subband Domain Method for Spatial Frequency Based Image Fusion of Multispectral and SAR Data | Nur Hüseyin Kaplan, I. Erer |
| 19 | GIS Applications in Cloud Computing Platform and Recent Advances | Hikmet Yigit, Ahmet İlhan Aysan, Güray Yılmaz |
| 20 | Design and Implementation of a Rover-Back CANSAT | Mustafa Emre Aydemir, Mansur Celebi, Serdar Ay, Dan Phan, Esau Viecente Vivas, Fredy Arturo Calle Bustinza |
| 21 | Review on Cyclic Pursuit in Spacecraft Formation Flying | Yang Huixin, Yang Tao, Zhang Weihua |
| 22 | Distributed Simulator Design by Using of SimNetwork to Overcome Speed Limit on GenSim | Cheol Hea Koo, Hoon Hee Lee, Yee Jin Cheon |
| 23 | Modeling Antigravity Phenomena for the Next Generation of Propulsion for Air and Space Travel | Carlos Armando Medina |
| 24 | Trajectory Tracking of a Satellite Communicated Missile with Fuzzy and PID Control | Mustafa Yagimli, Ugur Simsir, Hakan Tozan |



10 JUNE 2011 FRIDAY

14.00-15.40

S3A : Satellite Design-2

Chair : A. Rüstem Aslan

Room A: İnönü Hall

No	Title	Author(s)
1	A De-orbit System Design for CubeSat Payloads	Robert L. Ash, Eser Lokcu
2	Structural Design and Analyses of a 3Unit CubeSat	Murat Suer, Ahmet S. Durna, Galip Celik, Kenan Y. Sanliturk, A. Rustem Aslan, Mehmet Sahin
3	Design and Analyze Space Radiation Shielding for a Nanosatellite in Low Earth Orbit (LEO)	Masood Mayanbari, Yaser Kasesaz
4	Design and Analysis of an Innovative Modular Cubesat Structure for ITU-pSAT II	Melahat Cihan, Aykut Cetin, Metin Orhan Kaya, Gokhan Inalhan
5	ITU-pSAT II : High-precision Nanosatellite ADCS Development Project	Emre Koyuncu, Elgiz Baskaya, Melahat Cihan, Soner Isiksal, Melih Fidanoglu, Mehmet Caner Akay, Aykut Cetin, Burak Karadag, Yigit Bekir Kaya, Berat Karyot, Cingiz Hacıyev, Ibrahim Ozkol, Metin Orhan Kaya, Gokhan Inalhan



10 JUNE 2011 FRIDAY

14.00-15.40

S3B : Remote Sensing-1

Chair : Filiz Sunar

Room B: Fevzi Çakmak Hall

No	Title	Author(s)
1	Advances Space Technology for Project Management in Early Stage of the Design Work	Sefer Kurnaz, Sabina N. Hasanova, Rustam B. Rustamov, Namig Rahimov
2	GeoEtrim: Geospatial Evaluation and Training of Images	Hüseyin Topan
3	Design and Implementation of Intelligent Decision Making System to Generate Flight Scenario Automatically	Seyyed Mehdi Dehghan, Ali Kiapasha, Seyyed Hadi Cheheltani
4	An Overview of Solar Resource Assessment Using Meteorological Satellite Data	Ozgur Gurtuna, Arthur Prevot
5	Determination of Optimum STC Orientation by GA	Önder Halis Bettemir
6	Automatic Crowd Analysis from Airborne Images	Beril Sirmacek, Reinartz Peter



10 JUNE 2011 FRIDAY

14.00-15.40

S3C : Navigation and Control-1

Chair : Okyay Kaynak

Room C: Kocatepe Hall

No	Title	Author(s)
1	Inexpensive CubeSat Attitude Estimation Using COTS Components and Unscented Kalman Filtering	Jesper Abildgaard Larsen, Kasper Vinter
2	Mixed Generalized H_2 / H_∞ Optimal, Linear Parameter Varying (LPV) Control of Satellite Systems	Yucel Aydın
3	Nonlinear Control of Space Vehicles with Multi-Mass Fuel Slosh Dynamics	Mahmut Reyhanoglu, Jaime Rubio Hervas
4	The Design of a Safe Attitude Control System for Spin Stabilization of Satellite via Magnetic Torquers	Hamed Shahmohamadi Oosaloo
5	Three-Axis Attitude Control of a Small Satellite by Magnetic PD-Like Controller Integrated with Passive Pitch Bias Momentum Method	Ahmet Sofyalı, Elbrous M. Jafarov
6	Real Time Orbit Determination Using Particle and Extended Kalman Filter	Eren Erdoğan, Mahmut Onur Karslıoğlu



10 JUNE 2011 FRIDAY

14.00-15.40

S3D : Special Session on COSMO-SkyMed

Chair : Andrea Torre

Room D: Barbaros Hall (A)

No	Title	Author(s)
1	COSMO-SkyMed - The Italian EO Constellation for Risk Management and	Francesco Caltagirone, Giuseppe Angino, Fabrizio Impagnatiello
2	COSMO-SkyMed: Image Quality Achievements	Andrea Torre, Diego Calabrese, Manfredi Porfilio
3	COSMO-SkyMed: The Advanced SAR Instrument	Andrea Torre, Pasquale Capece
4	SAR Data Characterization and Engineering Algorithms: COSMO-SkyMed Image Performance Frontier	Fabrizio Impagnatiello



10 JUNE 2011 FRIDAY

14.00-15.40

S3E : Student Satellites, Cubesats & Education-1

Chair : Hiroaki Akiyama

Room E: Barbaros Hall (B)

No	Title	Author(s)
1	TURKSAT-3USAT: A 3U Communication CubeSat with Passive Magnetic Stabilization	Rustem Alim Aslan, Ibrahim Oz, Senol Gulgonul, Ahmet Sofyali, E. Umit, C. Tola
2	Experimental Band Monitor for Psat Satellite	Tomas Urbanec, Petr Vagner, Miroslav Kasal, Ondrej Baran
3	Low Cost S Band Communication System Design For Cube Satellites	Osman Ceylan, Yasin Kurt, Furkan Aral Tunc, Hasan Bulent Yagci, Alim Rustem Aslan
4	Study and Design of an Intelligent Electrical Power Subsystem for ERPSat-1 Cube Satellite	Bilel Neji, Mohamed Adel Alimi, Chafaa Hamrouni
5	Development of a Fly-Back CANSAT in 3 Weeks	Mehmet Ertan Umit, Matthew Tetlow, Hiroaki Akiyama, Shusaku Yamaura, Willy Cabanas, Salu Olaleye



10 JUNE 2011 FRIDAY

16.00-18.00

S4A : Satellite Design-3

Chair : Taşkın Koçak

Room A: İnönü Hall

No	Title	Author(s)
1	Mathematical Model for Small Satellites, Using Rotation Angles and Optimal Control Synthesis	Teodor-Viorel Chelaru, Barbu Cristian, Adrian Chelaru
2	Reliability Considerations for Design of Space Systems	Burak Durmaz, Burcu Özgör Demirkaya
3	The Ideology and Methodology of the Integration Quality Control System for Small Satellite Development	Arthur Cheng-Chung Huang, Chen Way-Jin, Shao-Shing Chen
4	Systematic Design of Satellite Imaging Payload	Ebrahim Peighani Asl, Dariush Abbasi-Moghadam, Mojtaba Abolgasemi
5	Complete Electrical Model And Simulation Of A Medium Size Satellite	Mustafa Aytug Kaya, Mehmet Kemal Bayrakceken
6	Spacecraft Operator Training From Simulation to Application	Osman Kalden, Christian Bodemann



10 JUNE 2011 FRIDAY

16.00-18.00

S4B : Remote Sensing-2

Chair : Derya Maktav

Room B: Fevzi Çakmak Hall

No	Title	Author(s)
1	Using Structural Features to Detect Buildings in Panchromatic Satellite and Aerial Images	Beril Sırmaçek, Cem Ünsalan
2	Regression Analysis of Air Surface Temperature and Atmosphere Variables in Peninsular Malaysia from AIRS Data	Jasim Mohammed Rajab, M. Z. MatJafri, H. S. Lim, K. Abdullah
3	Urban Area Detection from Remotely Sensed Images Using Combination of Local Features	Beril Sırmaçek, Cem Ünsalan
4	Evaluation of Imaging Spectroscopy and Atmospheric Correction of Multispectral Images (Aster and LANDSAT 7 ETM+)	Önder Kayadibi
5	A Needed Metric to Measure Utilization of Indigenous Satellite Images in Developing Countries	Mohamed B. Argoun, Atef Omar Sherif
6	Accuracy Assessment of spectral library in Hyperspectral Image Classification	Alireza Sharifi, Alireza Ahmadi
7	Road Detection from Remotely Sensed Images Using Color Features	Beril Sırmaçek, Cem Ünsalan



10 JUNE 2011 FRIDAY

16.00-18.00

S4C : Navigation and Control-2

Chair : Haluk Görgün

Room C: Kocatepe Hall

No	Title	Author(s)
1	Dynamics Modeling and Maneuverability Analysis of a Near-Space Earth Observation Platform	Yueneng Yang, Jie Wu, Yu Xie, Wei Zheng
2	Optimal Impulsive Orbital Transfer between Coplanar-Noncoaxial Orbits, Local and Global Solutions	M. Navabi, M. Sanatifar
3	Deviation Iterating Approach for Transfer Orbit Design with J2 Perturbation	Hong-Bo Zang, Wei Zheng, Guo-Jian Tang
4	Design of Ranging Codes for Low-Earth Orbit Satellites	Hany Bekhit, Essam El Diwany, Salwa H. El Ramly
5	Constant Thrust Glideslope Guidance Algorithm for Rendezvous in Multi-body Realm	Yijun Lian, Luhua Liu, Yunhe Meng, Guojian Tang, Kejun Chen



10 JUNE 2011 FRIDAY

16.00-18.00

S4D : Aerospace Materials and Structures-3

Chair : M. Adil Yükselen

Room D: Barbaros Hall (A)

No	Title	Author(s)
1	Ray Tracing and Sensor Calibration Visualization Using LabVIEW for a Segmented Reflector Testbed	Alok Desai, Helen R. Boussalis, Harshit Tarsaria, Jessica Alvarenga, Khosrow Rad
2	A Novel Geometrical Approach to Determining the Workspace of 6-3 Stewart Platform Mechanism	Serdar Ay, Abdurrahman Hacıoğlu, Ergüven Vatandaş
3	Probing the Yield Surface of Lightweight Solid Foams Via Biaxial and Triaxial Experiments	Murat Vural, Mohammad Ehaab
4	SEE Testing for Exposure of Space Ionizing Radiation on Radio-Electronic Equipment	Anashin Vasily, Vasily Anashin, Milovanov Yury
5	Novel Experience with the Implementation of the ESA Standards into the Cleanroom PCB Manufacturing Process	Marek Simcak
6	Inertial Load Effects on a Single Axis Gimbal Flywheel with Magnetic Bearings	Selim Sivrioglu



10 JUNE 2011 FRIDAY

16.00-18.00

S4E : Synthetic Aperture Radar

Chair : Caner Özdemir

Room E: Barbaros Hall (B)

No	Title	Author(s)
1	Synthetic Aperture Radar and Passive Microwave Data Analysis Fusion	N. Gokhan Kasapoglu
2	Synthetic Aperture Radar Feature Selection for Dual Polarized ScanSAR Data	N. Gokhan Kasapoglu
3	Potential of Multi-Look SAR Processing	Dmytro M. Vavriv, Oleksandr O. Bezvesilniy
4	SAR Image Segmentation Using Contourlet Transform Combined with Haralick Features	Bedrettin Erbil Konuk, Işın Erer
5	ISAR Autofocusing Image Reconstruction of Sea Target	Andon Dimitrov Lazarov, Todor Pavlov Kostadinov
6	Combined Engineering and Mission Simulator for a Satellite SAR System	Hakan Urhan, Özgür Sütçüoğlu
7	Toward Automatic Parameter Tuning in Segmentation Method for Airborne Laser Scanning Data Filtering	Yashar Fallah Vazirabad, Mahmut Onur Karslıoğlu



11 JUNE 2011 SATURDAY

09.00-10.40

S5A : Satellite Design-4

Chair : İlker Bekmezci

Room A: İnönü Hall

No	Title	Author(s)
2	A Cost-Effective Software Development and Validation Environment and Approach for LEON Based Satellite and Payload Subsystems	Federico Cordero, Jose Mendes, Balaji Kuppusamy Balaji Kuppusamy, Thomas Dathe, Michael Irvine, Andy Williams
3	An SDR Based AIS Receiver for Satellites.	Jesper Abildgaard Larsen, Hans Peter Dalsgaard Mortensen, Jens Dalsgaard Nielsen
4	Swarm Intelligence in Solution of Impedance Matching Problem in Satellite Transmitters	Mustafa Emre Aydemir, Mustafa Ilarslan, Kenan Buyukatak, Erol Duymaz
5	Numerical and Experimental Investigation of the Thermal Behavior of a Newly Developed Attitude Determination Control Unit in a Vacuum Environment	A. Bilge Uygur, Cem Ömür, Hasan Gürgüç Işık, İlker Tarı
6	Toward Software-Based Safety Systems in Space	Michael Klicker, Henrik Putzer



11 JUNE 2011 SATURDAY

09.00-10.40

S5B : Remote Sensing-3

Chair : M. Emre Aydemir

Room B: Fevzi Çakmak Hall

No	Title	Author(s)
1	Vegetation Index Based Technique for Global Agricultural Drought Monitoring	Ali Levent Yagci, Meixia Deng, Liping Di, Weiguo Han, Chunming Peng
2	Exploration of Candidates Ground Sites Over Algeria to EO Satellite Vicarious Flight Calibration Purposes	Ayhane Bey Benbouzid, Mohamed Kameche, Abdelwahab Chikouche, Fethi Benhamouda
3	Hyperspectral Remote Sensing of the Impact of Environmental Stresses on Nitrogen Fixing Soybean Plants (<i>Glycine max</i> L.)	Dora Dimitrova Krezhova, Elisaveta Kirova
4	Rare Vegetation Change Detection in the Gobustan Conservation Area, Azerbaijan	Sefer Kurnaz, Yelena M. Gambarova, Adil Gambarov, Rustam B. Rustamov, Maral H. Zeynalova
5	Microwave Radiometry of Forest Canopies at L-band	Mehmet Kurum
6	Chlorophyll Fluorescence of Nitrogen Fixing Soybean Plants (<i>Glycine max</i> L.) Under Stress Conditions	Dora Dimitrova Krezhova, Ilko Iliev, Elisaveta Kirova
7	Towards DMC Microsatellites Use in Forest Fire Remote Sensing: Case of Alsat-1 Product-Based False Alarm Rate Assessment	Mustapha Rebhi, Abderrahmane Belghoraf



11 JUNE 2011 SATURDAY

09.00-10.40

S5C : Navigation and Control-3

Chair : Mustafa Ilarslan

Room C: Kocatepe Hall

No	Title	Author(s)
1	GNSS – From Simulation to Application	Osman Kalden
2	Comparison of Certifications Standards for the Next Safety Critical Applications	Carlos Armando Medina
3	Considering Trajectory Outlier Detection Methods in Verification of Navigation Satellite Messages	Levent Altay, Sefer Kurnaz, Oya Kalıpsız
4	Airborne Pseudolites in a Global Positioning System Degraded Environment	Michael Stepaniak, Halit Oktay
5	Research of Multi-Restriction Energy Management of Solid Rocket	Liu Lu Hua, Kejun Chen, Guojian Tang
6	Formation Control and Obstacle Avoidance of Multipurpose Unmanned Space Robots	Mehmet Eren Erdogan, Mario Innocenti
7	Optical Monitoring of Inter Satellite Distance Between TURKSAT-2A and TURKSAT-3A	Birol Gürol, Şenol Gülgönük, Gökhan Gökay, Abdullah Okan, İbrahim Öz



11 JUNE 2011 SATURDAY

09.00-10.40

S5D : Student Satellites, Cubesats & Education-2

Chair : Y. Volkan Pehlivanoglu

Room D: Barbaros Hall (A)

No	Title	Author(s)
1	Development of Cubesats in an Educational Context	Jesper Abildgaard Larsen, Jens Dalsgaard Nielsen
2	Design and Navigation Control of an Advanced Level CANSAT	Mansur Celebi, Mustafa Emre Aydemir, Serdar Ay, Mohammed Khalil Ibrahim Khalil, Lewis Henedige Jayathu Dimuthu Kumara Fernando, Messaoud Bensaada, Hiroaki Akiyama, Shusaku Yamaura
3	Rapid Sizing Tool for a Low Cost University Microsatellite Structure Subsystem	Ali Ravanbakhsh, Sebastian Franchini
4	Tiny Training Tools How Nanosatellites Can Be Used to Train Emerging Spacefaring Nations and Industries	Abe Bonnema, Joost Elstak
5	Small Space Can: CanSat	Süleyman Soyer



11 JUNE 2011 SATURDAY

09.00-10.40

S5E : Space Propulsion and Launch-3

Chair : F. Oğuz Edis

Room E: Barbaros Hall (B)

No	Title	Author(s)
1	Solid Methane Hybrid Rocket Engine. Regression Speed Increase by Oxidizer Doping and Embedding Wires. Vehicle Optimization Application Through Motor Parameters	Florin Mingireanu
2	Application of Robust Synthesis Methodology for Sounding Rocket Attitude Stabilization	Habeeb Olalekan Aro, S. A. Brodsky
3	An investigation on the effect of chemical kinetics in the modeling of combustive gaseous oxidizer flow on a solid fuel surface	Mahdy Ahangar, Hamed Yaghmaei, Reza Ebrahimi
4	Trajectory Prediction Tools for Conceptual Design of Orbital and Suborbital Launch Vehicles	Ilke Akbulut, Aysegul Cilli, Basar Seckin
5	Scalability and Dynamic Stability of Hybrid Rocket Engines	Teodor-Viorel Chelaru, Mingireanu Florin, Enache Vasile, Neagu Ion
6	NERVA Rocket Trajectory Corridor over Black Sea	Radu Dan Rugescu, Cristian Emil Constantinescu, Mihai Alexandru Barbelian, Seyed Mohamadreza Mahmoudian



11 JUNE 2011 SATURDAY

11.00-13.00

S6A : Satellite Design-5

Chair : H. Arsev Eraslan

Room A: İnönü Hall

No	Title	Author(s)
1	Integrated Power and Attitude Control Systems in Space Applications	Alkan Altay, Kutlay Aydın
2	Solar Arrays Testing for Space Applications	Omid Shekoofa
3	Design of a Fuzzy Variable Structure Controller for Controlling Satellite Attitude Suffering From Sensor Data Delay	Bilgehan Erkal, Okay Kaynak
4	The Thermal Analysis of a Satellite by an In-House Computer Code Based on Thermal Network Method and Monte Carlo Ray Tracing Technique	H. Gürgüç Işık, A. Bilge Uygur, Cem Ömür, Erhan Solakoğlu
5	The Intelligent Monitoring Technology Based on Aerospace Data	Viacheslav Alekseevich Zelentsov, Rafael Midkhatovich Yusupov, Mihail Yurjevich Okhtilev, Boris Vladimirovich Sokolov
6	Verification of Control Moment Gyroscopes Based Attitude Control Systems for Agile Satellite Missions	Emre Yavuzoglu, Aykut Kutlu, Onur Tarakçıoğlu, Erhan Topal, M. Emin Gulluoglu, Emre Yurtoglu, Koray Celik, Halime Urek, Kutlay Aydın, Caglar Ozyurt, Kurtulus Yilmaz, Deger Akin



11 JUNE 2011 SATURDAY

11.00-13.00

S6B : Special Session on First Micro Satellite Designed and
: Built in Turkey: RASAT-2

Chair C. Sami Tüfekçi

Room B: Fevzi Çakmak Hall

No	Title	Author(s)
1	Evaluation and Comparison of Finite Element Dynamic Analyses and Vibration Test Results of Structural Model of RASAT Satellite	Suat Ontaç, Cevher Levent Ertürk, Sercan Soysal, Muzaffer Çetin, Remziye Nimet Nasuhoğlu
2	Reliability Practices for Satellite Design and Assembly Focusing on FMECA, Cleanliness and X-Ray Inspection	İlknur Baylakoglu, Barış Çal, Murat Harmandalı, Engin Köksal, Vedat Gün
3	RASAT ADCS Flight Software Testing with Dynamic Attitude Simulator Environment	Cagatay Yavuzylmaz, Mustafa Akbas, Farid Gulmammadov, Ozgur Kahraman, Yuksel Subasi, Nahit Ertongur, Yusuf Acar, Celal Sami Tufekci
4	Attitude Performance Requirements and Budgeting for RASAT Satellite	Celal Sami Tufekci, Nahit Ertongur, Cagatay Yavuzylmaz, Farid Gulmammadov, Ozgur Kahraman, Yuksel Subasi



11 JUNE 2011 SATURDAY

11.00-13.00

S6C : Special Session on Methods for Spacecraft Guidance,
: Navigation and Control-2

Chair Yevgeny Somov

Room C: Kocatepe Hall

No	Title	Author(s)
1	Three-Axis Magnetic Attitude Control Algorithms for Small Satellites	Mahmut Reyhanoglu, Jaime Rubio Hervas
2	Gain Scheduled Inverse Optimal Control for Fine Pointing of a Spacecraft Camera	Ozan Tekinalp, Sharmila Kayastha, Horri Nadjim, M. Kemal Ozgoren
3	Precise Orbit Determination for GPS and GLONASS Satellites on the Basis of IGS Data	Oleg Bogdanov, Ali Cepe
4	Inertia-Independent Generalized Dynamic Inversion Feedback Control of Spacecraft Attitude Maneuvers	Abdulrahman Hasan Bajodah
5	Methods for Stellar-Inertial Navigation and Gyromoment Guidance of the Agile Land-Survey Satellites	Yevgeny Somov, Sergey Buryrin, Sergey Somov



11 JUNE 2011 SATURDAY

11.00-13.00

S6D : Space Security and Social Benefits

Chair : Fuat Ince

Room D: Barbaros Hall (A)

No	Title	Author(s)
1	Skies, Future and Curricula: Content of Astronomy And Space Sciences Material in Pre-University Level Courses Karachi	Ingila Rahim, Muhammad Ayub Khan Yousuf Zai, Muhammad Rashid Kamal Ansari
2	Earth Observation Low-Sized Satellite "Soyuz-Sat-O" for Multifunctional Space System	Sergey Vasilievich Pushkarsky, Valery Menshikov, Sergey Lysyy
3	Applicability of ECSS E-TM-10-21 to National Space Programs	Mustafa Aydin
4	Building Space Situational Awareness Capability	Osman Kalden, Christian Bodemann
5	Evolution of Aerospace Simulation: From Immersive Virtual Reality to Serious Games	Robert John Stone, Peter Panfilov, Valentin Shukshunov
6	Data Security in a Ship Detection and Identification System	Bustanul Arifin, Edward Ross, Yuval Brodsky
7	A Numerical Comparative Study of Propagation Models, the Cosmos2251 and Iridium33 Satellites Collision Case Study	M. Navabi, R. Hamrah
8	Project Management/Society Benefits – Spatial Data Integrated into Geographic Information System	Sefer Kurnaz, Sabina N. Hasanova, Saida E. Salahova, Sevinj R. Rustamova, Rustam B. Rustamov, Maral H. Zeynalova



11 JUNE 2011 SATURDAY

11.00-13.00

S6E : Space Science and Weather

Chair : Zerefşan Kaymaz

Room E: Barbaros Hall (B)

No	Title	Author(s)
1	Study Stochastic Preview of the Computed Parcel Velocity of Layers of Ionosphere (F2 and Es) at Pakistan Air Space	Muhammad Ayub Khan Yousuf Zai, Khusró Mian
2	Structural Formation of the Universe: As Observed by X-Ray Satellites	Murat Hudaverdi, Mustafa Bozkurt, Metin Arık, E.Nihal Ercan, Fusun Limboz
3	Spatial Variation of Joule Heating and its Relationship with the Motion of Polar Cap Boundary	Emine Ceren Kalafatoglu Oner, Zerefşan Kaymaz
4	Simulating the Earth Magnetic Field According to the 10th Generation of IGRF Coefficients for Spacecraft Attitude Control Applications	M. Navabi, Niloofar Nasiri
5	Magnetosheath cavities: Cluster Observations and Kinetic Hybrid Model Comparisons	Filiz Türk Katırcıoğlu, Zerefşan Kaymaz, Nick Omidı, David G. Sibeck
6	Space Weather Activities of IONOLAB Group Using TNPGN GPS Network	Bahadır Aktug, Feza Arikan, Orhan Arikan, Umut Sezen, Cenk Toker, Onur Lenk, Mustafa Kurt, Erdem Parmaksiz, Soner Ozdemir
7	Wireless Sensor Networks for Space and Solar-System Missions	Akhan Akbulut, Fatma Patlar, A. Halim Zaim, Güray Yılmaz



CONFERENCE VENUE

The conference will be held at

Lütfi Kırdar Convention&Exhibition Center on
Harbiye Military Museum&Cultural Center on
which are located in downtown Istanbul.

09 June 2011,
10-11 June 2011

Satellite Image of the Conference Venues:





CONFERENCE VENUE

Lütfi Kırdar Convention and Exhibition Center (09 June 2011)



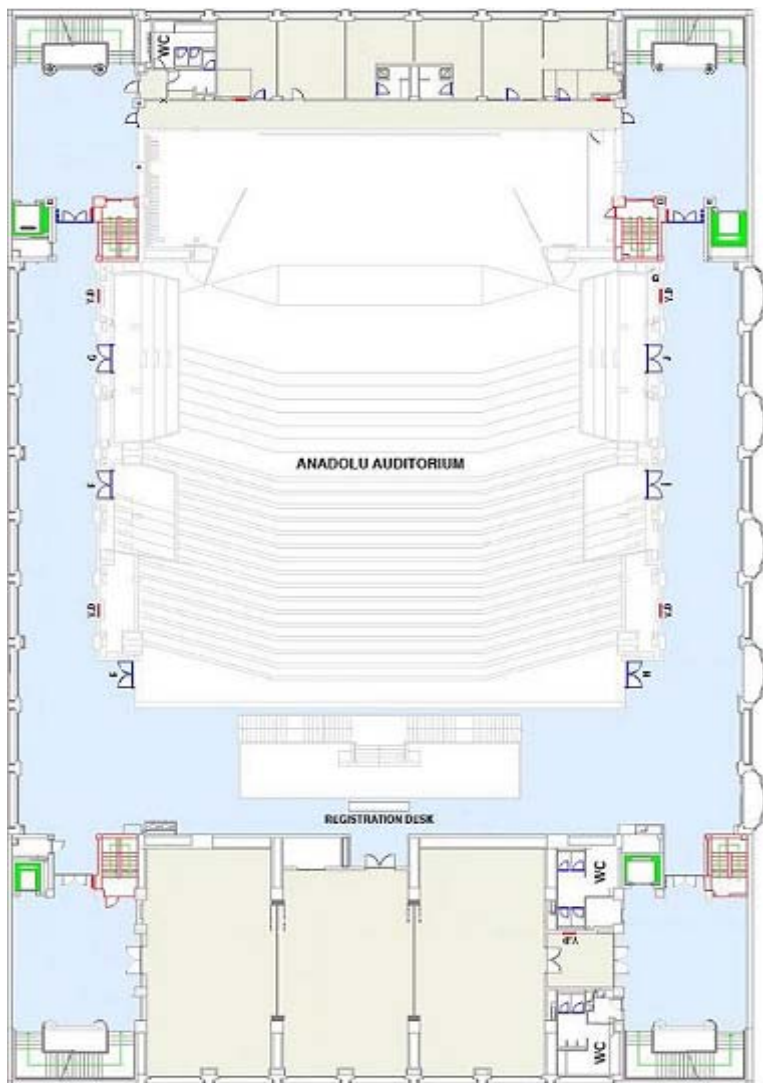
Harbiye Military Museum and Cultural Center (10-11 June 2011)





BUILDING PLANS

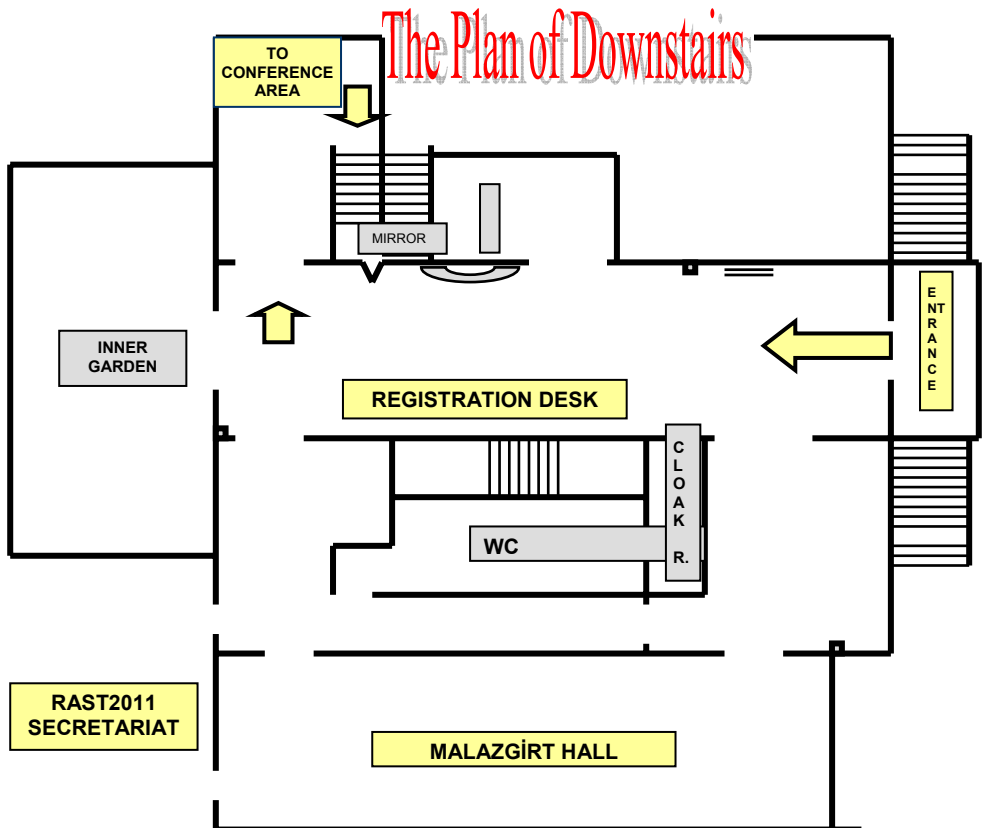
Lütfi Kırdar Convention and Exhibition Center (09 June 2011)





BUILDING PLANS

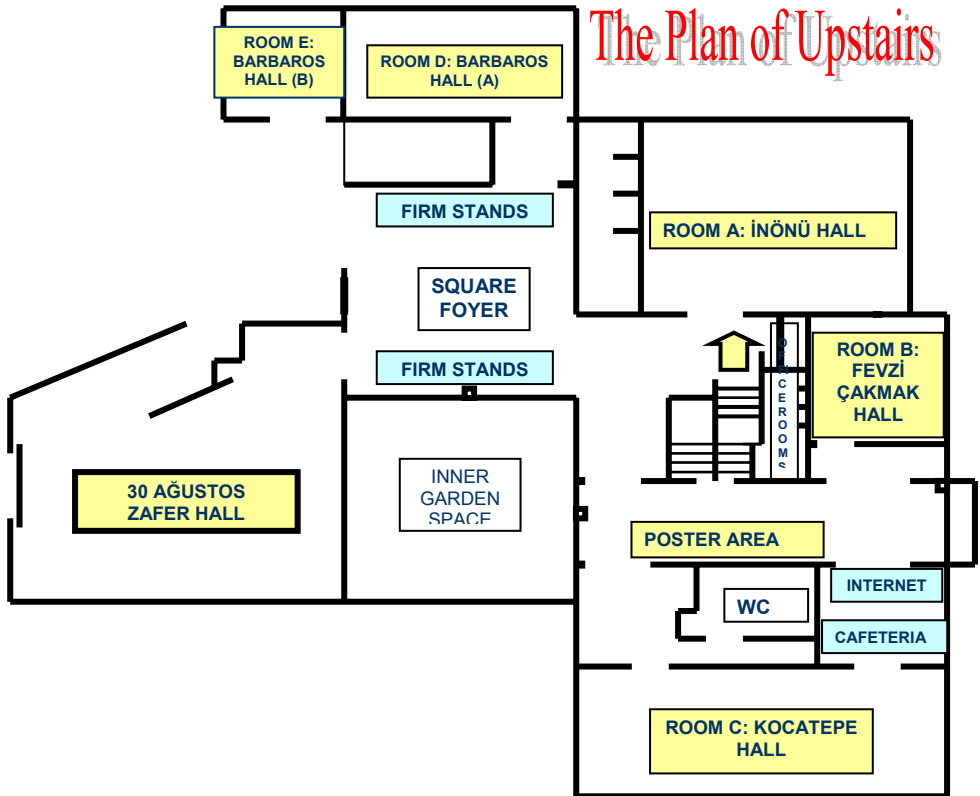
Harbiye Military Museum and Cultural Center (10-11 June 2011)





BUILDING PLANS

Harbiye Military Museum and Cultural Center (10-11 June 2011)





PROGRAM OF EVENTS

DATE	EVENT	TIME AND PLACE
09 June 2011	Welcome Cocktail Boat Tour (UPON INVITATION!)	18:00 Departure From Lütüf Kirdar Cong.&Exhibition Center to Kabataş Pier by Bus 18:30 Boat Departure From Kabataş Pier
10 June 2011	Performance by Historic Janissary Band	18.00-18.45 30 Ağustos Zafer Hall
10 June 2011	Alternative Dinner at Orient House (Optional) Please Apply to Registration Desk for Reservation by the Noon of 10th of June	19:00 Departure (will be announced by TOC)
Notice: Lunches will be served at the Turkish Officers' Club		



ADMINISTRATIVE GUIDE

1. Security:

- a. Overnight custody of the classified documents will be each Delegate's responsibility.
- b. All Delegates are encouraged to carry RAST 2011 or national ID cards. Conference passes were issued during in processing and are to be worn in the Conference facilities.

2. Dress Code:

- a. Formal clothes will be worn in all formal meetings.
- b. Casuals are appropriate for all social activities.

3. Transportation:

- a. Bus transportation will be provided for the social activities. The schedule is shown in the program of events.
- b. Transfers from the hotel to the airport by Travel Organization Company (T.O.C.). If required, ask for details of transfers at the T.O.C. desk.

4. Social Events:

- a. Social events are listed in the program of events.

5. Health:

- a. In case of a serious health problem, participants are encouraged to inform the Turkish Delegates and T.O.C. representatives.
- b. The organization committee is not responsible for the attendee's insurance.

6. Communications:

- a. Secure Communication is not available during RAST 2011.
- b. All telephone calls should be made from individual hotel rooms and will be detailed on the hotel invoice for payment at out-processing. It is the individual's responsibility to reclaim the cost of duty calls from their appropriate authority/HQ on their return. Turkish Air Force Academy is not responsible for any telephone calls made by attendees at the RAST 2011. Internet connection, a PC, and a printer will be provided for the use of attendees. Public phones are available at the conference area.

7. Miscellaneous:

- a. Out-processing will take place at T.O.C. desk at the congress venue.
- b. At the T.O.C. desk you will receive 2 invoice:
Invoice 1 is for accommodation. This is the voucher you completed during in processing and is provided for you to check and sign before it is presented for payment.
Invoice 2 is for registration
These vouchers will be prepared in EURO. The amount will be converted to Turkish Lira at the bank exchange rate of the day. Payment can be made in cash (USD, EURO or TL). Payment by credit cards will be charged in TL.
The clearance of the vouchers above 24 hours before your departure will make out-processing easier.
At the hotel reception you will receive Invoice 3 which covers all the expenditures e.g. telephone, mini-bar, room service, bar, restaurant etc. Which you have charged to your room during your stay. This invoice will be presented for payment in TL.
- c. For payments to T.O.C. and hotels, all major credit cards are accepted.
- d. Departure from the Hotel to Istanbul International Airport is usually very early in the morning. Your options are to make your own arrangements or to take advantage of the Transfer arrangement offered by T.O.C. Please inform of your transfer request to T.O.C. 24 hours before your planned departure.



USEFUL PHONE NUMBERS

Harbiye Military Museum	:+90 212-2332720
RAST2011 Secretariat	:+90 212-6632490/4365 :+90 532-207 62 33(GSM Lt.Col. S. Baştürk)
Police	:155
International Hospital	:+90 212- 663 30 00
American Hospital	:+90 212- 231 40 50
German Hospital	:+90 212- 293 21 50
Rental Cars	:T.O.C. (Travel Organization Company-T.O.C.)
Airlines	:T.O.C. (Travel Organization Company-T.O.C.)
Mrs.Esra Gucuyener (T.O.C.)	:+90 533-370 02 82 (GSM)
Ms. Muge Duman (T.O.C.)	:+90 532-344 46 15 (GSM)
Lt.Col. Süleyman Baştürk	:+90 532-207 62 33 (GSM)

EMBASSIES/CONSULATES

ALGERIA Phone:0312 427 87 00	AUSTRIA Phone:0212 262 93 15	AZERBAIJAN Phone:0212 293 21 23	BULGARIA Phone:0212 269 04 78
CANADA Phone:0212 251 98 38	CHINA Phone :0 212 299 21	CZECH REPUBLIC Phone: 0212 232 90 46	DENMARK Phone: 0212 359 19 00
EGYPT Phone:0212 244 28 95	FRANCE Phone:0212 249 91 68	GERMANY Phone:0212 251 54 04	GUATEMALA Phone:0216 326 72 77
HUNGARY Phone:02123441265/66	INDONESIA Phone:0212 352 65 59	IRAN Phone: 0212 513 82 30	IRAQ Phone:0212 299 01 20
ITALY Phone:0212 252 54 36	JAPAN Phone:021225176 05	SOUTH KOREA Phone: 0312 468 48 22	MALAYSIA Phone:0212 241 73 72
MEXICO Phone:0212 274 24 64	NETHERLANDS Phone:0212 393 21 21	NIGERIA Phone:031244810 77	PAKISTAN Phone:0 21223358 00
PERU Phone:02122942300	ROMANIA Phone:02122924125	RUSSIA Phone:0212 292 51 01	SAUDI ARABIA Phone:0212 281 91 40
SPAIN Phone:0212 359 02 26	SRI LANKA Phone:0212 232 47 00	SUDAN Phone:0212 284 74 41	TUNUSIA Phone:0212 293 95 78
UKRAINE Phone:0212 662 25 41	UNITED ARAB EMIRATES Phone:0212 279 63 18	UNITED KINGDOM Phone:0212 334 64 00	USA Phone:0212 335 90 00
VIETNAM Phone:0312 446 80 49			



RAST 2011
Recent Advances in Space Technologies
The Future is in the Skies



RAST 2013
12 - 14 JUNE 2013
İSTANBUL - TÜRKİYE



**6th International Conference on
Recent Advances in Space Technologies
RAST 2013**

www.rast.org.tr



"İstikbal Göklerdedir"
"The Future is in the skies"

B. Öztürk





1 RAST 2011
Recent Advances in Space Technologies
The Future is in the Skies



ULUSAL SAVUNMA SANAYİNİN GÜVENCESİ

aselsan
www.aselsan.com.tr

aselsan Türk Silahlı Kuvvetlerini Güçlendirme Vakfı'nın bir Kuruluşudur.



NOTES





NOTES

