

XXXVth Scientific Instrument Symposium

“Instruments between East and West”

Istanbul, 26-30 September 2016

PROGRAMME

MONDAY, 26 SEPTEMBER 2016	
14.00	Registration starts at the symposium venue (Istanbul University Congress and Culture Center)
15.00	Optional visit to the Museum for Science and Technology in Islam in Sultanahmet Those who wish to visit the Museum are kindly invited to meet at the registration desk at 3 pm. No need to register in advance. The entrance fee (10 TL/3 Euros), which is not included in the registration fee, will be collected at the Museum’s entrance.
18.30-20.30	Opening ceremony of the symposium and the exhibition “Pursuing Knowledge - Scientific Instruments, Manuscripts and Prints from Istanbul University Collections” Welcome reception Venue: Bayezid II Museum for Turkish Bath Culture at the Istanbul University campus

TUESDAY, 27 SEPTEMBER 2016

08.00	Registration at the symposium venue (Istanbul University Congress and Culture Center)	
	Conference Hall	Room 2
09.00-09.15	PLENARY SESSION A - Welcome and Introduction	
09.30-10.45	<p>Session 1 <u>The Migration of Objects and Ideas between the Ottoman Empire and Northern Europe in the Period 1500-1700 – Part I</u></p> <p>ELMQVIST SÖDERLUND, Inga, <i>Turkish and the Turk at Tre Kronor in the First Half of the 17th Century</i></p> <p>FORSS, Charlotta, <i>The Practice of Lending and Blending: Knowledge Construction in the Wake of a Swedish Embassy to the Ottoman Empire, 1657-8</i></p> <p>KREMER, Richard L., <i>How Did the Torquetum (or Turketum) Get Its Name?</i></p>	<p>Session 2 <u>Thinking Big - The 20th Century Instrumentalised</u></p> <p>KARABACAK, Rukiye, SABUNCUOGLU, Bizden, <i>The Installation of First Ten Electron Microscopes in Medicine and First Outcomes in Turkey</i></p> <p>GRANDIN, Karl, <i>Atomic Age Models: Promoting National Nuclear Program at the Car Dealer</i></p> <p>WEISS, Martin P.M., <i>Shipshape Cold War: The Construction of Research Vessels in East and West Germany</i></p>
10.45-11.15	Coffee Break	
11.15-12.30	<p>Session 3 <u>The Migration of Objects and Ideas between the Ottoman Empire and Northern Europe in the Period 1500-1700 – Part II</u></p> <p>ACKERMANN, Silke, <i>Trade and Tribute – European Objects in the Ottoman Empire</i></p> <p>JOHNSTON, Stephen, <i>The Medium Is the Message? The Materiality of Instruments Between East and West</i></p> <p>SNICKARE, Mårten, <i>Materiality and the Formations of Identities: The Role of Ottoman Objects in Early Modern Swedish Kunstkammern</i></p>	<p>Session 4 <u>Instruments for the Senses</u></p> <p>LAZOS, Panagiotis, VLAHAKIS, George, <i>'Making Visible the Invisible. Timoleon Argyropoulos' Device for Studying Standing Waves'</i></p> <p>URREIZTIETA, Carlos Calderón, <i>Music and "An-esthetics" in the Early Modern Science: The Monochord as Scientific Instrument</i></p> <p>LAILDLA, Janet, <i>Hugo Masing's Seismographs – From Tartu to Five Continents</i></p>
12.30-13.30	Lunch	

<p>13.30-14.45</p>	<p>Session 5 <u>Trade and Diplomacy</u></p> <p>KOCAMAN, Meltem, <i>Some Observations on the Scientific Instrument Trade in the 19th Century Ottoman Empire</i></p> <p>SCHOLZE, Bernd, <i>The Magic Lantern as Intercultural Ambassador Between Cultures and Religions: Imrich Emanuel Roth and the First Dissolving-View Shows in the Ottoman Empire, 1845/1846</i></p> <p>AGERON, Pierre, <i>Reconstructing the Moroccan Sultan's Collection of European Scientific Instruments (19th century)</i></p>	<p>Session 6 <u>Astrolabes Crossing Cultures, Crossing Time</u></p> <p>MARNANI, Pouyan Shahidi, <i>A User's Guide to the Musartan Astrolabe: A Newly Rediscovered 15th Century Manuscript</i></p> <p>LAUGINIE, Pierre, <i>Strange "Universal" Astrolabe in a French Secondary School</i></p> <p>SAFAEI, Asadollah, <i>Describing the theory of the Earth's rotation by using four kinds of astrolabes</i></p>
<p>14.45.-15.00</p>	<p>Coffee Break</p>	
<p>15.00-16.30</p>	<p>Business Meeting and Photo</p>	
<p>16.30</p>	<p>Transfer to the Greek Orthodox High School and then to Rahmi Koç Industrial Museum</p>	

WEDNESDAY, 28 SEPTEMBER 2016

	Conference Hall	Room 2
09.00-09.30	PLENARY SESSION B <i>BAGHERI, Mohammad, A History of Gnomonics in Iran</i>	
9.30-11.00	Agora	
11.00-11.30	Coffee Break	
11.30-12.30	MODERATED POSTER SESSION <i>ABD EL-SALAM, Mohamed Ahmed Mohamed Mohamed, Our Ancestors Taught the World: Unpublished Instruments from the Cairo Museum</i> <i>BAŞARAN, Vural, Scientific Instruments That Were Used and Currently in Exhibition in Ankara University Physics Department</i> <i>ETKER, Şeref, The Young Turk and his Ophthalmoscope</i> <i>NICOLAIDIS, Efthymios, Time Measuring Instruments of the Observatory of Paris</i> <i>PERANI, Laura Serra, BRENNI, Paolo and GIATTI, Anna, Physics Instruments at the Enrico Caffi Museum of Natural Sciences, Bergamo</i> <i>SOMI, Morteza, A Treatise on the Construction of Astronomical Instruments by Munajjim Ḥusaynī Gīlānī</i> <i>ŚWIĘCICKA, Elżbieta, The Silk Bags, Called Kese and The Unique Seals' Capsules Called Baysa, Attached to Tatar Diplomatic Letters of the 17th Century</i> <i>ZANETTI, Cristiano, Presentation of the Exhibition: Janello Torriani, Genio Del Rinascimento (Cremona 10th September 2016 – 29th January 2017)</i>	
12.30-14.00	Lunch Optional short lunch-time visit to the "Museum for the History of Pharmacy" at Istanbul University (Meeting at the registration desk at 13.15)	
14.00	Transfer to Topkapı Palace Museum (introductory visit and clocks collection)	
17.00	Transfer to the Naval Museum; Visit and reception	

THURSDAY, 29 SEPTEMBER 2016

	Conference Hall	Room 2
09.00-09.30	PLENARY SESSION C BENOIST Christophe, DAVOIGNEAU, Jean and LE GUET TULLY, Françoise, <i>From Samarkand to Europe, The Long Journey of Ulugh Beg's Zij</i>	
09.45-11.00	Session 7 <u>Observing with or without instruments</u> BOLT, Marvin, KOREY, Michael, <i>Scoping Out Telescopes: The Surprises of a Familiar Instrument</i> TABATABAEI, Seyyed Hadi, <i>The Arrival and Introduction of the Telescope into Iran Before the 19th Century</i> ARSLAN, Taha Yasin, <i>Eliminating the Necessity of Using Observational Instruments on Timekeeping</i>	Session 8 <u>Instruments at home and abroad</u> ÜÇSU, Kaan, <i>The Small Plane Table: An Invention by an Ottoman Military Officer</i> GOUZEVITCH, Dmitri, GOUZEVITCH, Irina, <i>The Rise of the Scientific Instruments' Production in Russia: From the Turneries of Peter the Great to the Instrumental Chamber of the Academy of Sciences</i> BEARE, Steve, <i>Alva Mason, Philadelphia Instrument Maker, 1825-1860</i>
11.00-11.15	Coffee break	
11.15-12.30	Session 9 <u>Taking Measure</u> MORFOULI, Meropi, <i>Galileo's Time Measurer</i> GORNISCHEFF, Feliks, <i>Navigational Instruments of Estonian Seamen, ca. 1860-1940</i> GÜNERGUN, Feza, DANIŞAN POLAT, Gaye, POLAT, Atilla, <i>Measuring the Altitude with an Alla Franca Instrument: The Ottoman Engineer Feyzi's Treatise on the Sextant</i>	Session 10 <u>Physics at Schools and in Laboratories</u> LAZOS, Panagiotis, VLAHAKIS, George, <i>Scientific Instruments in the Greek Schools of Istanbul</i> LEPPIK, Lea, <i>Georg Friedrich Parrot and His Laboratory in Early 19th-Century Tartu</i> FARZPOURMACHIANI, Abouzar, <i>Instruments and Methods for Recognizing the Purity of a Metal Piece and Amount of Each Element in Alloys</i>
12.30-14.00	Lunch Optional short lunch-time visit to the "Museum for the History of Pharmacy" at Istanbul University (meet at the registration desk at 13.15)	

14.00-15.15	<p>Session 11 <u>Instruments and Texts Between East and West</u></p> <p>AMINI, Hassan, <i>The Mathematical Compass Between East and West</i></p> <p>AGERON, Pierre, ABDELJAOUAD, Mahdi, <i>Eastern and Western Instruments in Osman Efendi's Gift of the Convert (1779)</i></p> <p>POLAT, Atilla, <i>Treatises on the Description and Use of the Sector (Pergâr-ı Nisbe) in Manuscript Collections of Turkey</i></p>	<p>Session 12 <u>Re-working Historical Instruments and Experiments</u></p> <p>WITTJE, Roland, BRENNI, Paolo, <i>How to Make the Arc Speak? Experimenting in Electroacoustics</i></p> <p>JANKA, Jasmin, <i>A Gaze on Sounds – The Chladni Figures of Other Scientists</i></p> <p>BERTOZZI, Eugenio, <i>Production and Circulation of Teaching Instruments During the Twentieth-Century: The Example of the Fully-Automated Cloud Chamber by the Officine Galileo in Florence.</i></p>
15.15-15.45	Coffee break	
15.45-17.00	<p>Session 13 <u>Far-reaching Instruments</u></p> <p>MUSAVI, Razieh, <i>An Iranian Quadrant for Finding Qibla</i></p> <p>DANIŞAN POLAT, Gaye, <i>A 16th Century Ottoman Compendium of Astronomical Instruments: Admiral Seydi Ali Reis's Mir'at-ı Kâinat</i></p> <p>TURNER, Anthony, <i>A Mingling of Traditions: European Portable Sun-Dials and Islamic Dialling During the Ottoman Period</i></p>	<p>Session 14 <u>From the Provinces to Outer Space: Instruments in Collections and on Expeditions'</u></p> <p>BRENNI, Paolo, <i>Some Unusual Instruments of a Provincial Collection</i></p> <p>HUISMAN, Jan Waling, <i>From Outer Space to Museum Floor</i></p> <p>CHINNICI, Ileana, <i>Italian Astronomical Expeditions to the West</i></p>
17.00	Transfer to Pera Museum	

FRIDAY, 30 SEPTEMBER 2016

	Conference Hall	Room 2
09.30-10.00	<p>PLENARY SESSION D <u>BIR, Atilla, KAÇAR, Mustafa</u>, <i>Taqi al-Din and Tycho Brahe: A Comparative Study of Their Observational Instruments</i></p>	
10.15-11.30	<p>Session 15 <u>Instruments Crossing the Seas</u></p> <p>BRET, Patrice, <i>Instruments of Knowledge and Power in Colonial Context: The Scientific Instruments in the French Occupation of Egypt, 1798-1801</i></p> <p>PANTALONY, David, UMUT, Hasan, <i>From the Ottoman Empire to Canada: Migrating Scientific Instruments Across Cultures</i></p> <p>ABBASI, Mubashir Ul-Haq, <i>Ancient Astronomical Instruments in Pakistan</i></p>	<p>Session 16 <u>Instrumentalising the Planets</u></p> <p>GAMINI, Amir Mohammad, <i>Ancient Mechanical Instruments and the Mechanical Worldview: Greek, Islamic and Modern Science</i></p> <p>KOREY, Michael, GESSNER, Samuel, GAULKE, Karsten, <i>Dental Gaps, True Solar Motion, and the Parameters of Eccentricity: Tracing Planetary Theory in the Geometry of Unevenly Toothed Wheels Within Renaissance Clocks</i></p> <p>BOHLOUL, Hamid, <i>Kāshānī's Ṭabaq al-Manātiq: The Most Advanced Equatorium Ever Designed in the Middle Ages and Early Modern Times</i></p>
11.30-11.45	Coffee Break	
11.45-12.30	CLOSING SESSION	
12.30-13.30	Lunch	
13.30	Transfer to Kandilli Observatory	
17.15	Transfer to pier for the Bosphorus cruise & Gala dinner	
SATURDAY, 1 OCTOBER 2016		
	<p>Full-day excursion to the Prince Islands - Visit to Greek Theological seminary collections – Lunch on the island. Departure time and place to be announced</p>	