



XXXIV Symposium of the Scientific Instrument Commission
Turin, Italy 7 - 11 September 2015

Schedule of Sessions

Tuesday, 8 September

9:20 am - 11:00 am

1. Material Matters: Glass and Brass (convener: Bolt)

Chair: Silke Ackermann

Room: A

Schechner, Sara	GLASS AND POWER: SOURCING SCIENTIFIC GLASS IN NORTH AMERICA, 1600-1850
Cocquyt, Tiemen	AN EARLY SPYGLASS FROM DELFT
Giatti, Anna Lanterna, Giancarlo Brenni, Paolo	LACQUER FOR BRASS
Bolt, Marvin	FRAGILE INSTRUMENTS: BLASCHKA GLASS MODELS, THEN AND NOW

Tuesday, 8 September 11:20 am - 1:00 pm

2a. Astrology I: Practices (conveners: Ackermann/Dunn)

Chair: Richard Dunn

Room: A

Ackermann, Silke	LOOKING BEYOND THE SIGNS
Schmidl, Petra G.	USING ASTROLABES FOR ASTROLOGICAL PURPOSES: THE EARLIEST EVIDENCE REVISITED
Hayton, Darin	BYZANTINE ASTROLABES IN THE FOURTEENTH CENTURY
Rodríguez-Arribas, Josefina	MEDICAL AND ASTROLOGICAL PLATES: THEIR ROLES IN MEDIEVAL AND RENAISSANCE KNOWLEDGE

Tuesday, 8 September 11:20 am - 1:00 pm

2b. Case Studies of Instruments and Firms

Chair: Mara Fausone

Room: D

Giacobini, Giacomo	A MICROSCOPE FOR THE OBSERVATION OF <i>IN TOTO</i> BRAIN SECTIONS (CARLO GIACOMINI, 1883)
Ruitenbeek, Kees	KIPP & ZONEN: ANOTHER "DELFT BLUE" COMPANY
Granato, Marcus	BUILDING THE TRAJECTORY OF THE MAST COLLECTION'S BAMBERG ELBOW TRANSIT TELESCOPE
Soulu, Frédéric	A TELESCOPE IN CONFLICT: ASTRONOMY IN COLONIAL ALGERIA

Tuesday, 8 September 11:20 am - 1:00 pm

2c. Challenges for the Instrument Community

Chair: David Pantalony

Room: C

Huisman, Jan Waling	IT'S BIG, SO IT MUST BE GOOD...
Kwan, Alistair	DESIGN THEORY: A FRAMEWORK FOR INTERPRETING EMBODIED PRACTICE
<u>Khantine-Langlois, Françoise</u> <u>Laugnie, Pierre</u>	MYSTERY PENDULUM: HOW THE SCIENTIFIC INSTRUMENT COMMUNITY SOLVED A RIDDLE
Morizet, Michel	FROM THE BRILLIANT INVENTION TO USELESS GADGET: INSTRUMENT MAKERS AT WORK

Tuesday, 8 September 2:00 pm - 3:40 pm

3a. Astrology II: Instruments (conveners: Ackermann/Dunn)

Chair: Jim Bennett

Room: A

Kremer, Richard	ASTROLOGICAL TABLES ON PAPER INSTRUMENTS: JOHANN STABIUS'S 'ASTROLOBIUM IMPERATORIUM' OF 1515
Falk, Seb	WHAT'S ON THE BACK OF AN ASTROLABE? ASTROLABES AS SUPPORTS FOR PLANETARY CALCULATORS
Oestmann, Günther	DISPLAYING ASTROLOGICAL KNOWLEDGE BY TABULATION: SOME NOTES PERTAINING TO PARTICULAR ARRANGEMENTS ON INSTRUMENTS
Devoy, Louise	ASTROLOGICAL ASPECTARIA ON EARLY MODERN INSTRUMENTS, 1480-1620

Tuesday, 8 September 2:00 pm - 3:40 pm

3b. Focus on Optics

Chair: Pedro Raposo

Room: D

Heering, Peter	FROM PRACTICE TO OBJECTS - ANALYSING AND INTERPRETING SOLAR MICROSCOPES
<u>Leone, Matteo</u> Robotti, Nadia Colombi, Emanuela	THE EMERGENCE OF MACEDONIO MELLONI'S OPTICAL BENCH
Hagmann, Johannes-Geert	LIGHT AND SHADOW: CONTRIBUTIONS TO INTERFEROMETRY BY MACH, FATHER AND SON
Pizzarelli, Chiara	SCIENTIFIC INSTRUMENTS FOR TECHNICAL SCHOOLS IN TURIN (1845-1906)

Tuesday, 8 September 2:00 pm - 3:40 pm

3c. Instruments in Twentieth-Century Conflicts

Chair: Yola Coffeen

Room: C

<u>Bernard, Dominique</u> Beaudouin, Denis	FRENCH SCIENTISTS AND SCIENTIFIC INSTRUMENTS IN WORLD WAR I
Fausone, Mara	PROTECTION FROM POISON GAS IN WWI: EXPERIMENTS AT THE UNIVERSITY OF TURIN
<u>Davoigneau, Jean</u> Le Guet Tully, Françoise	GERMAN INSTRUMENTS IN FRENCH OBSERVATORIES AFTER WWI AND WWII
Weiss, Martin	THE FIRST WORLD WAR, THE SECOND WORLD WAR AND THE COLD WAR: GERMAN TIDE-PREDICTING MACHINES OF THE TWENTIETH CENTURY

Tuesday, 8 September 4:00 pm - 6:00 pm

4a. Astrology III: Contexts (conveners: Ackermann/Dunn)

Chair: Michael Korey

Room: A

Dunn, Richard	IMAGINING THE ASTROLOGER
Addomine, Marisa	ITALIAN ASTRONOMICAL CLOCKS AS PUBLIC ASTROLOGICAL MACHINES
Strano, Giorgio	THE ROLE OF THE COSMOS AT THE MEDICI COURT: THE NON-ASTRONOMICAL CONTENTS OF ANTONIO SANTUCCI'S LARGE PLANETARY MODEL
Bennett, Jim Sumira, Sylvia	WERE GLOBES USED IN THE PRACTICE OF EARLY-MODERN ASTROLOGY?
Bolt, Marv	Respondent for Astrology I-III

Tuesday, 8 September 4:00 pm - 5:40 pm

4b. Conflicts of Trade and Interpretation

Chair: Marco Galloni

Room: D

Maas, Ad	CITY SCHOLARS, STATE SCIENCE AND AN ELECTRICAL FRICTION MACHINE
Pantalony, David	POINTS OF CONFLICT: HISTORIC SURVEY MARKERS, INSTRUMENTS AND THEIR COLLECTORS
Baker, Alexi	BRAWLING IN THE STREETS AND BROADSHEETS: INSTRUMENT TRADE WARS IN EARLY MODERN LONDON
Clifton, Gloria	INSTRUMENT MAKERS IN CONFLICT IN 19TH CENTURY ENGLAND

Tuesday, 8 September 4:00 pm - 5:40 pm

4c. The Challenges of Replication

Chair: Peter Heering

Room: C

Fischer, Stéphane	AUGUSTE DE LA RIVE'S APPARATUS TO REPRODUCE POLAR AURORAS
Panusch, Martin	UNDERSTANDING PRACTICES: REFLECTIONS ON THE EXPERIENCES WITH MILLIKAN'S OIL DROP APPARATUS
Engels, Wolfgang	HOW STRONG IS A SPARK? MAKING THE EPHEMERAL MEASURABLE
Bernardoni, Andrea Neuwahl, Alexander	1672 DIVINI MICROSCOPE REPLICA - MODERN TECHNOLOGIES AT THE SERVICE OF TRADITIONAL KNOW-HOW

Wednesday, 9 September 9:00 am - 10:40 am

5a. Instruments Unearthed from the Archives

Chair: Alison Boyle

Room: A

Brenni, Paolo	INSTRUMENTS, TOOLS AND MATERIALS THE INVENTORIES OF J.DUBOSCO'S AND D.H.RUHMKORFF'S WORKSHOPS
<u>Zuidervaart, Huib</u> Anderson, J. Douglas	ANTONY VAN LEEUWENHOEK'S SCIENTIFIC INSTRUMENTS: NEW INFORMATION FROM THE DELFT ARCHIVES
Hooijmaijers, Hans	WHO INVENTED THE TELESCOPE? A REVIEW OF NEWLY SURFACED DOCUMENTS ON THE CONTROVERSY
Insley, Jane	SAVING ST PAUL'S: 'REPARATIONS' AT ST PAUL'S CATHEDRAL, 1925 to 1930

Wednesday, 9 September 9:00 am - 10:40 am

5b. Exploring Exploration and Surveying Surveying

Chair: Marcus Granato

Room: B

Débarbat, Suzanne	SECTORS AND <i>TOISES</i> ASSAULT THE <i>FIGURE DE LA TERRE</i>
Wess, Jane	WHAT WERE THE 'PROPER' INSTRUMENTS FOR EXPLORERS?: TENSIONS WITHIN THE ROYAL GEOGRAPHICAL SOCIETY, LONDON 1830-1900.
Holmberg, Peter	ADOLF ERIK NORDENSKIÖLD: GEOMAGNETISM AND GEODESY IN THE ARCTIC REGIONS
Johnston, Stephen	ALL AT SEA: INSTRUMENTS IN EDWARD WRIGHT'S NAVIGATIONAL PRACTICE

Wednesday, 9 September 9:00 am - 10:40 am

5c. Chapters from the History of Collections

Chair: Alison Morrison-Low

Room: C

Yastrebinsky, Grigoriy	TECHNICAL COLLECTIONS AT THE STATE HERMITAGE MUSEUM: CHAPTERS OF HISTORY
Talas, Sofia Marcon, Fanny	INSTRUMENTS FROM THE UNIVERSITY OF PADUA TO SECONDARY SCHOOLS: STORIES OF PEACE AND WAR IN NINETEENTH-CENTURY NORTH-EAST ITALY
Laidla, Janet	HEIRS TO THE GLORIOUS PAST: TARTU OBSERVATORY BETWEEN THE TWO WORLD WARS
Schimkat, Peter	DENIS PAPINS'S (?) STEAM CYLINDER

Wednesday, 9 September 2:30 pm - 3:45 pm

6a. Learning from Forgeries (convened by the presenters) Chair: Marta Lourenço Room: A

Nall, Joshua	WORKING WITH FAKES: XRF ANALYSIS OF WHIPPLE MUSEUM OBJECTS
Jardine, Boris	SCIENTIFIC INSTRUMENTS AND THE CULT OF AUTHENTICITY
Hyslop, James	SPOTTING FAKES: NOTES FROM THE TRADE

Wednesday, 9 September 2:30 pm - 4:10 pm

6b. Visualizations and Teaching with Instruments Chair: Karsten Gaulke Room: B

Galloni, Marco	MOVIES THROUGH THE MICROSCOPE: INSTRUMENTS AND TECHNIQUES
Schwedes, Carl	PENICILLIN - A 3D RECONSTRUCTION OF THE HISTORICAL PRODUCTION PROCESS
Paparou, Flora	LECTURE DEMONSTRATIONS IN HISTORY OF SCIENCE MUSEUMS
Cavicchi, Elizabeth	CONFLICT AND BALANCE: CLASSROOM EXPLORATIONS WITH HISTORICAL INSTRUMENTS, SCIENCE, GEOMETRY, AND MORE

Wednesday, 9 September 2:30 pm - 4:10 pm

6c. Cultures of Precision Chair: Sara Schechner Room: C

Figueiredo, Fernando B.	A LETTER (1817) BY MANUEL PEDRO DE MELO (1765-1833) ABOUT SOME ASTRONOMICAL INSTRUMENTS FOR THE ROYAL ASTRONOMICAL OBSERVATORY OF THE UNIVERSITY OF COIMBRA
Massone, Giuseppe	THE 'GRADUS TAURINENSIS' AFFAIR AND THE INSTRUMENTS OF PLANA-CARLINI REVISION
Caplan, James	TYCHO'S OCCULTING ALIDADES

Wednesday, 9 September

4:30 pm - 6:00 pm

7. Poster Session

Chair: Rich Kremer

Room: C

Bloemer, Julia Mirwald, Benjamin	INSTRUMENTS ONLINE - DIGITALISATION OF THE FOUNDATION COLLECTION OF THE DEUTSCHES MUSEUM
Vlahakis, George	HIDDEN TREASURE: SCIENTIFIC INSTRUMENTS AND THEIR BOXES IN 18 TH -20 TH GREECE
Taborska, Malgorzata	C-48: THE FIRST POLISH CYCLOTRON
Maslikov, Sergei	TWO SIDES OF A SINGLE ASTROLABE
Truffa, Giancarlo	THE ALBION OF ROME
Schuster, Peter Maria	THE VIENNA RADIUM INSTITUTE
Liuni, Francesca	BALANCING THE ASTROLABE BETWEEN ART AND SCIENCE
Heisser, Ronald Liuni, Francesca	ARCHIMEDEAN CONFLICTS
Heisser, Ronald	METHODOLOGICAL CONFLICT IN PAST AND PRESENT FLUID RESEARCH: AN ALTERNATIVE INVESTIGATION

Thursday, 10 September 9:00 am - 10:40 am

8a. Instrumentalized by the Military and the Space Race

Chair: Paolo Brenni

Room: Yellow Hall

Kidwell, Peggy	MATHEMATICAL INSTRUMENTS AND MILITARY CONFLICT, AN AMERICAN PERSPECTIVE
Mirwald, Benjamin	FORTIFICATION OF RESEARCH. PHYSICS INSTRUMENTS FOR MILITARY PURPOSES IN BAVARIA, C. 1750 - 1870.
Le Guet Tully, Françoise	FROM A MILITARY DEVICE TO A CIVILIAN ONE: THE INVENTION OF THE CATAPHOTE BY FRENCH ASTRONOMER HENRI CHRÉTIEN (1879-1956)
Margolis, Emily A.	INSTRUMENTAL INSIGHTS: A COMPARATIVE STUDY OF ARTISTIC DEPICTIONS OF SPACE RACE INSTRUMENTS IN THE US AND USSR, 1962-1975

Thursday, 10 September 9:00 am - 10:40 am

8b. Intriguing Instruments: Astrolabes, Compendia and More

Chair: Stephen Johnston

Room: Red Hall

Van Cleempoel, Koenraad	ATTRIBUTING A RENAISSANCE UNIVERSAL ASTROLABE
Turner, Anthony	ON THE SECOND LIVES OF INSTRUMENTS
Sarma, Sreeramula Rajeswara	A DESCRIPTIVE CATALOGUE OF INDIAN ASTRONOMICAL INSTRUMENTS
Beuing, Raphael	AN ASTRONOMICAL COMPENDIUM FROM THE MUNICH KUNSTKAMMER

Thursday, 10 September

11:00 am - 12:15 pm

9a. Heavenly Machines

Chair: Giorgio Strano

Room: Yellow Hall

Korey, Michael	HEAVENLY AUTOMATA IN NEED OF EARTHLY FIRST AID
Gessner, Samuel	UNDER THE EYE OF SATURN: CONFLICT AND COMPROMISE IN THE DESIGN AND CONSTRUCTION OF PLANETARY AUTOMATA
Zanetti, Cristiano	A HIDDEN CONFLICT IN RENAISSANCE PLANETARY HOROLOGY? NEW PERSPECTIVES ON JANELLO TORRIANI'S <i>DAMNATIO MEMORIAE</i> IN CARDANO'S WORKS

Thursday, 10 September

11:00 am - 11:50 am

9b. Instruments Go to School

Chair: Sofia Talas

Room: Red Hall

Lazos, Panagiotis	THE COLLECTION OF SCIENTIFIC INSTRUMENTS IN MARASLEIOS PEDAGOGICAL SCHOOL: A CONFLICT BETWEEN PAST AND PRESENT
Mantovani, Roberto	HISTORICAL SCIENTIFIC INSTRUMENTS AT THE ROYAL COLLEGE "CARLO ALBERTO" OF MONCALIERI

Friday, 11 September

9:00 am - 10:30 am

10. Agora - Open Forum for Ideas and Projects

Chair: The SIC Board

Room: Theatre