



XX International Scientific Instrument Symposium Stockholm, Sweden

THE 20TH INTERNATIONAL SCIENTIFIC INSTRUMENT SYMPOSIUM

15–19 October at Kungliga Vetenskapsakademien (KVA)
(The Royal Swedish Academy of Sciences)
and the Museum of Science & Technology, Stockholm.

Programme

MAY CHANGE!

SUNDAY 14 OCTOBER

18.00– 20.00	Registration. Snacks and Refreshments	Klubbvillan (The Club Villa) at KVA
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MONDAY 15 OCTOBER

Session 0 – **Information and Setting** – Beijersalen (the Beijer Hall) – Chair: Karl Grandin

09.00– 10.00		Registration and Coffee at KVA
10.00	Tore Frängsmyr, Director of the Center for History of Science at the Royal Swedish Academy of Sciences	Welcome & Something about the History of the Academy
10.30	Jenny Beckman, Researcher at the Center	The Science City
11.00	Christina Halldén, Conservator at the Center	Caring for the Instrument Collection at the Royal Swedish Academy of Sciences
11.30	Karl Grandin, Assistant Director of the Center	Information about the programme during the week

12.00–13.30 Lunch Buffet at the Club Villa

Session 1 – **Museums** – Beijer Hall – Chair: Jenny Beckman

13.30	Pasquale Tucci	A Database of Ancient Astronomical Instruments
14.00	Stephen Johnston	Redisplaying the Museum of the History of Science, Oxford
14.30	Jim Bennett	Cosimo's Cosmography, the Palazzo Vecchio and the History of Museums

15.00 Coffee and Fruit

Session 2 – **Instruments Between Nations** – Beijer Hall – Chair: Inga Elmqvist

15.30	Suzanne Débarbat	Technical Exchange Between France and Sweden, XVIIIth–XIXth Centuries
16.00	Olof Beckman	Klingenstierna and the Achromatic Lens
16.30	Eugene Rudd	A New Apparatus for Measuring the Chromatic Aberration of Lenses
17.00	Anita McConnell	John Bird's Work

18.00 Buses to [Observatoriemuseet](#) (Observatory Museum) at the Old Stockholm Observatory. Buffet

TUESDAY 16 OCTOBER

At [Tekniska museet](#) (the Museum of Science & Technology), Stockholm. Sessions take place in the main lecture hall.

09.00	The museum opens	Welcome!
09.00–10.00	Mingle, refreshments, preparations	Opportunity to look at some scientific instruments
10.00	The Museum Director, Anne-Louise Kemdal	Welcomes everybody

Session 3 – Chair: Ove Halén

10.10	Ove Halén	The Scientific Instruments and Laboratories of Alfred Nobel
10.40	C. Randall Brooks	The Carmichael Ultrabalance

Coffee

Session 3 continues

11.30	Jane Insley	Something in the Air – Instruments to Measure Air Pollution
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Special session 3 – Commemorating Polhem’s death 250 years ago

12.00	Michael Lindgren	The Mechanical Alphabet and Pedgagogs of Christopher Polhem
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13.00–14.15 Lunch

14.15 Photo session – The SIC 2001 official photograph

Session 4 – Chair: Ove Halén

14.30	Kostas Nikolantonakis	The Technology Museum of Thessaloniki
15.00	Rajinder Singh	The Nobel Laureate Sir C.V. Raman, and his Musical Instruments
15.30	Rand, B. Evans	History of the Tachistoscope in Psychology

Coffee

Session 4 continues

16.20	Szilvia Andrea Holló	Adam Clark, William T. Clark and the Hungarians – The Chain Bridge in Budapest
16.50	Allan A. Mills	Mrs. Faraday’s Hat: Early History of the insulated Copper Wire Industry

17.30 The Machine Hall is presented.

18.00 Dinner

20.00 Mingle, pub facilities

23.00 The museum closes

Practical information

The Museum is located at Museivägen 7. The best way to get there is to take bus 69 from the Central Station. Practical details will be dealt with on Monday 15th. Guides from the organising committee will meet you at both hotels to take you to Tekniska museet.

The Lecture Hall is located straight ahead from the museum entrance, across the Machine Hall and then to the right. Coffee will be served outside the Lecture Hall. The refreshments in the morning will be served near the entrance.

The Museum has copying machines for overheads, and it is possible to dock your portable computers for different displays on the main screen. If you need such preparations in advance, before the museum opens, Ove Halén, Curator of the collections at the museum will be available from 07.30 hours, direct mobile telephone 08-4505682.

WEDNESDAY 17 OCTOBER

Session 5a – **Observatories I** – Beijer Hall – Chair: to be announced

09.00	Anthony Turner	The Observatory and the Quadrant
09.30	James Caplan	Tracking Stories and Instruments of the Marseille Observatory
10.00	Gerome Lamy	The Toulouse Observatory and Its Instruments

Session 5b – **Museums & Education** – Linnaeus Hall – Chair: to be announced

09.00	Silke Ackermann	Folded Time – An Exceptional Astrolabe-Quadrant and the Role of Scientific Instruments in Museum Education
09.30	George Vlahakis	Eighteenth Century Scientific Laboratory for Educational Purposes: A Virtual Reconstruction
10.00	Marv Bolt	On the Use, Display and Classification of 7 Centuries of Planetarium Technologies

10.30 Coffee

Session 6a – **Observatories II** – Beijer Hall – Chair: to be announced

11.00	Laetitia Maison	Historical Data for a Museology Project: The Case of the Ancient Astronomical Instruments at the Bourdeaux Observatory, France
11.30	Françoise Le Guet Tully	The Observatory of Algiers and Nice, a Historical Comparison
12.00	Gudrun Wolfschmidt	Instruments for German Astronomical Expeditions

Session 6b – **Education & Research** – Linnaeus Hall – Chair: to be announced

11.00	Eji Nagata	The Diffusion of Physics Experiment When the Science Education Started Certainly in Primary and Secondary Schools in Japan (in Meiji Era)
11.30	Vladimir A. Schurow	The Scientific Instruments of the Nizhny-Novgorod Radio Physics Scientific School
12.00	Henning Schmidgren	The Virtual Laboratory: Essays and Resources on the Experimentalization of Life, 1830–1930

12.30–13.30 Lunch Buffet at the Club Villa

Postersession – Outside the Linnaeus hall

13.30		Poster session
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Session 7a – **Observatories III** – Beijer Hall – Chair: to be announced

14.00	Tatiana Moisseva	The First Observatory of Russian Academy of Sciences in Kunstkammer: The Past and Future
14.30	Eftymios Nicolaidis	19th Century Instruments of the Observatory of Athens
15.00	Björn R. Pettersen	The Astronomical Instruments of the University Observatory in Oslo – Core Exhibits in a Future Museum of History of Science

Session 7b – **Latitude** – Linnaeus Hall – Chair: to be announced

14.00	Lajos Bartha	History of the Most Precise Method for Determining the Geographical Latitude
14.30	Gloria Clifton	The Origins of the Battenberg Course Indicator
15.00	Mörzer Bruyns	The Octant in the Netherlands in the Eighteenth Century: Introduction, Production and Diffusion

15.30 Coffee and Fruit

Session 8a – **Observatories IV** – Beijer Hall – Chair: to be announced

16.00	Rolf Willach	The Wiesel Telescopes in the Castle of Skokloster and Their Historical Backgrounds
16.30	Robert Warren	Christie, Grubb & Stokes: The Correspondence For Building the 28" Refractor
17.00	Carlo Triarico	The Heritage of the Astronomical Observatory Founded by Marinoni in Wien

Session 8b – **Instrument Making** – Linnaeus Hall – Chair: to be announced

16.00	Jørgen From Andersen	Dumotiez – Large-Scale Supplier to Danish Physical Cabinets
16.30	Mara Miniati	Scientific Instruments Workshops in the XVIth Century, Florence
17.00	Emily Winterburn	William Herschel as an Instrument Maker

18.00 Buses to [Nobelmuseet](#) (The Nobel Museum). Sandwich

THURSDAY 18 OCTOBER

Excursion day, outline

09.00 Buses from KVA to Uppsala

10.00 [Museum Gustavianum](#) (the University Museum)

12.00 Sandwich and beverages served at Museum Gustavianum

13.30 Buses from Uppsala to Skokloster Slott (Skokloster Castle)

14.30 [Skokloster Castle](#)

17.00 [Boat](#) (m/s Gustavsberg VII from 1912) to Stockholm, Symposium Banquet on Board. The boat also holds a bar.

22.00 Arrival in Stockholm

FRIDAY 19 OCTOBER

Session 9a – **The Scientist and His Instruments** – Beijer Hall – Chair: to be announced

09.30	Hans Nyman	What Kind of Microscope Did Linnaeus Use in his Single Experiment in "Mundis Invisibilis" from 1767?
10.00	Shaw Kinsley	Instruments in the Rapids: John Wesley Powell on the Colorado River

Session 9b – **Reconstruction & Conservation** – Linnaeus Hall – Chair: to be announced

09.30	Sylvia Sumira	2001: A different Space Odyssey – The Conservation of Globes
10.00	Terje Bruntland	The Reconstruction of Francis Hauksbee's Rotating Globe

10.30 Coffee

Session 10a – **Three Instruments** – Beijer Hall – Chair: to be announced

11.00	Yaakov Zik	The Telescope as a Scientific Instrument in the Beginning of the 17th Century
11.30	Peter Wisse	An Instrument for the Demonstration of a Non Existing Force
12.00	Paul Zoller	The Dipleidoscope: History, Theory and Practice

Session 10b – **Hydrodynamics** – Linnaeus Hall – Chair: to be announced

11.00	Karen Mathilde Haugland	Carl Anton Bjerknes (1825–1903) and his Hydrodynamic Apparatus
11.30	Roland Wittje	Bjerknes' Hydrodynamic Analogies of Magnetism – A 20th Century Lecture Demonstration
12.00		

12.30–14.00 Lunch Buffet at the Club Villa

Session 11 – **The Image of the Instrument** – Beijer Hall – Chair: to be announced

14.00	Inga Elmqvist	Instruments as Attributes in 17th Century Art
14.30	Anne van Helden	Instruments as Indicators of Social Context
15.00	Paolo Brenni	Advertising Instruments in the 19th Century

15.30 Coffee and fruit

Session 12 – **SIC Plenary Session** – Beijer Hall – Chair: Jim Bennett

16.00		SIC Plenary Session
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18.00 **Extra!** Visit to Bernadottebiblioteket (the Bernadotte Library) at the [Royal Palace](#), which has some interesting instruments.

(edited for placing on the SIC archive November 17, 2001)