

Interactions of Interwar Physics: Technology, Instruments and Other Sciences

An international workshop, Gilman 496, Tel Aviv University, 12-11 October 2015

Sunday, 11.10.2015

9:30 Greetings: José Brunner,
Director, Cohn Institute for the History and
Philosophy of Science and Ideas, Tel Aviv
University

Introduction: Shaul Katzir (Tel Aviv
University)

9:50 Scott Walter (Université de Nantes),
**Scientist-engineers, electron theory, and
early wireless technology**

10:50 - 11:20 coffee break

11:20 Kenji Ito (The Graduate University
for Advanced Studies (Sokendai)), **Electron
theory and electrical engineering in
Japan**

12:20 - 13:45 Lunch break

13:45 Karl Hall (Central European
University, Budapest), **'Out of the labyrinth
of recipe commerce': applied physics and
insulation failure in the 1920s**

14:50 Yoel Bergman (Tel Aviv
University), **The contributions of
technology R&D to thermionics in the
Interwar**

15:50 - 16:20 Coffee break

16:20 - 17:20 Jaume Navarro (University
of the Basque Country), **One phenomenon,
three settings. The early days of electron
diffraction**

Monday 12.10.2015

9:30 Richard Staley (University of
Cambridge), **Machines, modernity and the
new physics in post-war discourse**

10:30 - 11:00 coffee break

11:30 Shaul Katzir (Tel Aviv University),
**The shaping of interwar physic by
technology – the case of piezoelectricity**
and a commentary by Kijan Espahangizi
(Center "History of Knowledge" Zurich)

14:30 - 13:00 lunch break

14:30 Michael Eckert (Deutsches
Museum), **Turbulence Research in the
1920s and 1930s between Mathematics,
Physics and Engineering**

15:30 - 15:45 coffee break

15:45 - 16:45 **general discussion**