Highlights in Solid State Physics - Workshop in memory of Giuseppe Pastori Parravicini
Friday 24 April 2020, University of Pavia, Department of Physics
TENTATIVE PROGRAMME (updated 21/02/2020)

Thursday 23 April at 20h: Social dinner at Collegio Cairoli, Piazza Collegio Cairoli 1, Pavia

Friday 24 April, Department of Physics, via Bassi 6, Pavia – Aule 101 e 102

9.00-9.10 Opening
9.10-9.30 Erio Tosatti (SISSA and ICTP, Trieste): “Theory of solids in Italy – from birth to adult age”
9.30-9.50 Giovanni Vignale (University of Missouri): “Many-body effects in graphene”
9.50-10.10 Paolo Giannozzi (University of Udine): “Electronic-structure computation in solid state physics and beyond”
10.10-10.30 Giovanni Pizzi (EPFL): “Automated high-throughput Wannierisation”
10.30-11.00 Coffee break
11.00-11.20 Stefano Baroni (SISSA Trieste): “The importance of being non-local: excitons, TDDFT, and Peppino’s lesson”
11.20-11.40 Silvana Botti (University of Jena): “Structural prediction and computational materials design: from bulk to interfaces”
11.40-12.00 Alessandro Cresti (CNRS, Grenoble INP, IMEP-LAHC): “Electron transport along and across disordered mirror twin grain boundaries in MoS2”
12.00-12.20 Iacopo Carusotto (CNR-INO BEC Center Trento): “Topology in band structures, from electrons to phonons and photons”
12.20-12.40 Sandro Scandolo (ICTP Trieste): “A solid-state physicist’s journey to the centers of planets”
12.40-14.00 Lunch break
14.00-14.20 Carlo Piermarocchi (Michigan State University): “Spin Glass Models of Cancer Cells”
14.20-14.40 Mario Agio (University of Siegen): “Ultrafast coupling of light with quantum emitters”
14.40-15.00 Marco Fornari (Central Michigan University): “Sleeping phonons and dancing electrons: the thermoelectric conundrum”
15.00-15.20 Matteo Cococcioni (University of Pavia): “Electronic localization, valence shift, and energetics in materials for rechargeable batteries”
15.20-15.30 Mini-break
15.30-16.30 Sessione in memoria di Giuseppe Pastori Parravicini, aula 102:
Giuseppe La Rocca (SNS Pisa): “L’eredità scientifica di Giuseppe Pastori Parravicini”
Raffaello Girlanda (Università di Messina) “Messina anni ‘60 ”
Giuseppe Grosso (Università di Pisa): “Pisa anni ‘70 – ‘80 ”
Lucio Andreani (Università di Pavia): “Pavia anni ‘90 – ‘00 ”
Interventi liberi & closing
16.30-17.00 Rinfresco
17.00- For those who stay in Pavia: free programme (visit to laboratories, dinner...)