

NanoMeeting Program

Monday October 29, 2018

10:00	Registration and Coffee
10:45	Welcome and introduction (<i>Lucia Sorba</i>)
	I session
	<i>chair Andrea Ferretti</i>
11:00	Deborah Prezzi [O1] Light Emission from Graphene Nanoribbons: Insights from Ab Initio Simulations
11:20	Seyedeh Samaneh Ataei [O2] Excitonic insulator in high pressure in 2H-MoS ₂
11:40	Stefania Benedetti [O3] Correlation between spectroscopic, electric and optical response in Al:ZnO films
12:00	Francesco Colangelo [O4] Stretching two-dimensional materials using polymeric micro-muscles
12:20	Luca Bellucci [O5] Graphene-based nanostructured models for energy storage
12:40	Pino D'Amico [O6] Excitons in MoS ₂ nanoribbons: width and localization effects
13:00	Lunch
	II session SEED
	<i>chair Lucia Sorba</i>
14:30	SEED Giorgia Brancolini [O7] Development of a Coarse Grained Model for Nanoparticle-Protein Interactions
15:00	SEED Alberto Ghirri [O8] Coupling nanowire quantum dots and microwave photons in a high-T _c superconducting resonator: first steps towards the realization of hybrid single spin quantum circuits
15:30	SEED Francesca Telesio [O9] Exfoliated black Phosphorus Surfaces investigated by Scanning Tunneling Microscopy
16:00	SEED Valentina Zannier [O10] Core/shell nanowires for electronics and thermoelectrics
16:30	Coffee Break
	III session
	<i>chair Stefan Heun</i>
17:00	Giorgio De Simoni [O11] Metallic supercurrent field-effect transistor
17:20	Matteo Carrega [O12] Towards topological applications with hybrid superconducting devices
17:40	Francesco Rossella [O13] Ionic liquid gating of InAs nanowire-based field effect transistors
18:00	Poster session & aperitif // [Consiglio di Istituto]
20:00	Social Dinner Ristorante La Clessidra - Via del Castelletto 26, Pisa

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	IV session
	<i>chair Marco Cecchini</i>
09:00	Alessandro Pitanti [O14] Optomechanics with all-dielectric chiral metasurfaces
09:20	Leonardo Viti [O15] High-Speed Terahertz detectors based on 2D and 0D Nanostructures
09:40	Kimberly Reichel [O16] Continuous Wave Random Quantum Cascade Lasers at Terahertz Frequencies
10:00	Giulio Bollino IP supervisor, CNR DSFTM [O17] Brevettare al Cnr
11:00	Poster session & coffee
13:00	Lunch
	V session
	<i>chair Giorgia Brancolini</i>
14:00	Alberto Portone [O18] Novel architectures for light emitting nanofibers
14:20	Matteo Agostini [O19] Surface-Acoustic-Wave Based Lab-on-a-Chips for Biosensing
14:40	Andrea Mescola [O20] Interactions between antimicrobial peptide Magainin H2 and lipid membranes through different biophysical techniques
15:00	Ilaria Tonazzini [O21] Study of neuronal guidance dynamics in neurodevelopmental disorders models by nano-engineered platforms
15:20	Barbara Storti [O22] Super-resolution imaging of BMI1 in polycomb Bodies by single molecule localization methods
15:40	Enzo Rotunno [O23] Electron beam shaping: controlling the propagation along atomic columns
16:00	Parallel sessions: (1) Molecular sensing (2) Quantum technology (3) Theory and computation
17:00	Closing remarks