



## Monday 16th Sept, 2019 (SUPERTED consortium)

8:30-10:40	<i>SESSION I Chair: Sebastian Bergeret/CSIC</i>
8:30-9:00	Separate meeting: Reviewers/project officer
9:00-9:10	Welcome words: <b>Sebastian Bergeret/CSIC</b>
9:10-9:40	Introduction and background to thermoelectric detection: <b>Tero Heikkilä/JYU</b>
9:40-10:00	SUPERTED project: where we are now and where we are heading: <b>Tero Heikkilä/JYU</b>
10:00-10:40	WP I: " <i>Sample growth</i> ": <b>Celia Rogero/CSIC</b>
<b>10:40-11:00</b>	<b>COFFEE BREAK + GROUP PHOTO</b>
11:00-12:20	<i>SESSION II Chair: Ilari Maasilta/JYU</i>
11:00-11:40	WP II: " <i>Sample characterization and plans for preparing the detectors</i> ": <b>Francesco Giazotto/CNR</b>
11:40-12:20	WP IIIa: " <i>Thermoelectric THz detectors</i> ": <b>Alessandro Monfardini/NEEL</b>
<b>12:20-13:30</b>	<b>LUNCH BREAK</b>
13:30-15:40	<i>SESSION III Chair: Celia Rogero/CSIC</i>
13:30-14:10	WP IIIb: " <i>Thermoelectric X-ray detectors</i> ": <b>Ilari Maasilta/JYU</b>
14:10-14:50	WP IV: " <i>Technology transfer and stand-alone detector</i> ": <b>Francisco Lopez-Gejo/BIHUR</b>
14:50-15:30	WP V: " <i>Project coordination and financial issues</i> ": <b>Heli Lehtivuori and Sanna Ahoniemi/JYU</b>
15:30-15:40	Summary and early conclusions: Tero Heikkilä/JYU
<b>15:40-16:00</b>	<b>COFFEE BREAK</b>
16:00-17:00	Separate meeting: Reviewers/project officer
17:00-18:00	Feedback and recommendations from the reviewers: Reviewers/project officer

**Dinner 20:15** at DRINKA , Matia Kalea, 50, 20008 Donostia, Gipuzkoa

**Wi-Fi:** EHU-wGuest. Open a browser (<http://>) user: superted; password: superted



## Tuesday 17th Sept, 2019 (open workshop)

9:00-10:35	<i>SESSION I, Chair: Alessandro Monfardini/NEEL</i>
9:00-9:15	Opening words: <b>Sebastian Bergeret/CSIC</b>
9:15-9:50	Invited talk: " <i>Topology, interface driven quantum phenomena</i> ", <b>Jagadeesh Moodera/MIT</b>
9:50-10:15	" <i>Growth modes and magnetic properties of epitaxial EuS thin films</i> ", <b>Maxim Il'in/CSIC</b>
10:15-10:35	" <i>Spin currents driven by Higgs mode in magnetic superconductors</i> ", <b>Mikhail Silaev/JYU</b>
<b>10:35-11:00</b>	<b>COFFEE BREAK</b>
11:00-12:50	<i>SESSION II: Chair: Francesco Giazotto/CNR</i>
11:00-11:35	Invited talk: " <i>Spin Transport in Magnetic Insulator/Normal Metal Heterostructures</i> ", <b>Felix Casanova/CIC nanoGUNE</b>
11:35-12:00	" <i>Theory of Spin Hall Magnetoresistance from a Microscopic Perspective</i> ", <b>Vitaly Golovach/CSIC</b>
12:00-12:25	" <i>Magnetic control of <math>\phi_0</math>-shift in InAs nanowire Josephson Junctions</i> ", <b>Elia Strambini/CNR</b>
12:25-12:50	" <i>Non-linear spin torque, pumping and cooling in superconductor/ferromagnet systems</i> ", <b>Pauli Virtanen/JYU</b>
<b>12:50-14:00</b>	<b>LUNCH BREAK</b>
14:00-15:00	<i>SESSION III: Chair: Elia Strambini/CNR</i>
14:00-14:25	" <i>ADR based cryogenic system for highly sensitive detectors</i> ", <b>Diego Brasiliano/Néel</b>
14:25-14:50	" <i>SQUID readout of TEDs</i> ", <b>Zhuoran Geng/JYU</b>
14:50-15:00	Conclusion remarks
15:00-18:00	Consortium wrap up + next year tasks and reporting. All PIs + SUPERTED members