

Tuesday 10th june	Sessions	Title	Location
08h30 - 09h30	Registration & welcome coffee		Polytech Hall
09h30 - 9h50	Introduction		Amphi C002
9h50 - 10h30	Invited speaker 1	<i>Eco-Friendly 3D-Printed Energy Harvesting Devices Using Biocompatible Piezo-Electret Polymers</i> - Francesco COTTONE	Amphi C002
10h30 - 10h50	Mechanical energy harvesting I Session chairs:	<i>Measurement Setup for Real-Time Electrical Characterization of Triboelectric Nanogenerators</i> - Aleksandra MARKOVIC	Amphi C002
10h50 - 11h10	Elie LEFEUVRE, Ludovic CHARLEUX	<i>Stationary Soliton Energy Harvesting: a novel approach in metastructure design</i> - Arthur BARBOSA	Amphi C002
11h10 - 11h30	Coffee break		Polytech Hall
11h30 - 11h50	Circuits for energy harvesting	<i>A Self-Powered Parallel SSHI Interface for Vibration Energy Harvesting</i> - Quentin DEMOURON	Amphi C002
11h50 - 12h10	Session chairs:	<i>Electrical interface for urine-based microbial fuel cells in a nanogrid perspective</i> - Fabien MIEYEVILLE	Amphi C002
12h10 - 12h30	Philippe BASSET, Adrien MOREL	<i>An orbit jump strategy for bistable piezoelectric energy harvesters</i> - Nicolas DECROIX	Amphi C002
12h30 - 13h30	Lunch		Polytech Hall
13h30 - 14h10	Invited speaker 2	<i>Large harvested energy with non linear pyroelectric materials</i> - Emmanuel DEFAY	Amphi C002
14h10 - 14h30	Materials for energy harvesting I Session chairs:	<i>Nanoscale Characterization of Vertical ZnO Nanowires through Correlated SMIM, PFM, and KPFM Studies</i> - Tanisha BHADAURIA	Amphi C002
14h30 - 14h50	Guyline POULIN-VITTRANT Skandar BASROUR	<i>Optimizing Low-Temperature Spark Plasma Sintering of KNN Ceramics: A Step Toward Sustainable Energy Harvesting</i> - Nadia BENCHAREF	Amphi C002
14h50 - 15h10	Poster 1min presentations		Amphi C002
15h10 - 16h10	Poster session + coffee break		Polytech Hall
16h10 - 16h50	Invited speaker 3	<i>New thermoelectric thin films of (2D materials) for energy harvesting at the nanoscale</i> - Olivier BOURGEOIS	Amphi C002
16h50 - 17h10	Materials for energy harvesting II Session chairs:	<i>HKUST-1/TiO2 chitosan beads as photocatalyst for green hydrogen generation</i> - Marie LE PIVERT	Amphi C002
17h10 - 17h30	Hélène DEBEDA, David GIBUS	<i>Photocatalytic GaN/InGaN Nanowires for Green Hydrogen Production</i> - Amel ZORAI	Amphi C002

Wednesday 11th june	Sessions	Title	Location
08h30 - 09h00	Welcome coffee		Polytech Hall
09h00 - 09h40	Invited speaker 4	<i>Ultrasounds for embedded applications : from power transfer to secured communications</i> - Martial DEFOORT	Amphi C002
9h40 - 10h00	Wireless power transfer I Session chairs:	<i>Active Knee-Implant Supplied by Acoustic Waves</i> - Olivier FREYCHET	Amphi C002
10h00 - 10h20	Dimitri GALAYKO, Adrien MOREL	<i>Wireless Power Transfer System Based On Fully Analytical Class <math>\Phi 2</math> Inverter</i> - Le Quang Hieu NGUYEN	Amphi C002
10h20 - 11h20	Poster session + coffee break		Polytech Hall
11h20 - 11h40	Wireless power transfer II Session chairs:	<i>Frequency-up Electrodynamic Receiver for Extremely-Low Frequency Wireless Power Transfer for Implanted Devices</i> - Rémi RECOQUILLÉ	Amphi C002
11h40 - 12h00	Dimitri GALAYKO, Vincent BOITIER	<i>Design Optimization of Centimeter-scale Bistable Resonators for Ultra-Low Frequency Energy Conversion</i> - Leo-Scott MACKÉ	Amphi C002
12h00 - 13h00	Lunch		Polytech Hall
13h00 - 13h20	Mechanical energy harvesting II Session chairs:	<i>Five-terminal dual-polarity MEMS electrostatic transducer for near-limits kinetic energy harvesting from irregular vibrations</i> - Moein RAHMANI	Amphi C002
13h20 - 13h40	Philippe BASSET, David GIBUS	<i>Magnetic reluctance switch converters as power take-off for energy harvesting</i> - Gregorio BOCCALERO	Amphi C002
13h40 - 14h00		<i>Reluctance-based transducers for road infrastructures</i> - Hissam KARIM	Amphi C002
14h00 - 14h15	Coffee		Polytech Hall
14h15 - 14h30	Concluding remarks		Amphi C002
14h30 - 15h00	Closing coffee		Polytech Hall

Posters		
Poster number		Title
1		<i>MEMS Design for Electrostatic Near-Limits Kinetic Energy Harvesting Under Simple Algorithm and Low Control Voltage</i> - Ayoub DAHANI
2		<i>Reactive energy in transfer network for active kinetic energy harvesters</i> - Etienne CESMAT
3		<i>High frequency piezoelectric DC/DC converter</i> - Alex MARQUES
4		<i>Improving MFCs Electrical Performances with advanced materials for electrode</i> - Andrea PIETRELLI
5		<i>Multi-orbit jump for electrodynamic wireless power transfer systems with non-linear dynamics</i> - Adrien AMEYE
6		<i>Lead-Free Piezoelectric Vibration Energy Harvesters: Comparison Between Spark Plasma Sintered and Commercial KNN</i> - Nadia BENCHAREF
7		<i>Low Frequency Wireless Power Transfer Using Magnetically Coupled Mechanical Resonators</i> - Séverine GAUTHIER
8		<i>Shielding's effect of radiating components</i> - Zana KARI
9		<i>Metal Organic Frameworks for hydrogen storage</i> - Marie LE PIVERT
10		<i>Wireless ultrasonic power transfer using a self-biased CMUT structure</i> - Paul ROCHE
11		<i>Miniaturized Electrodynamic Generator for Wireless Power Transfer and Positionning Control of an Endoscopic Capsule</i> - Nicolas GARRAUD
12		<i>Optimisation des performances d'un récupérateur d'énergie piézoélectrique sur un câble électrique alternatif 50 Hz</i> - Hatim BAKHTAOUI
13		<i>Study of Auxetic Structures' Influence in Piezoelectric Energy Harvesters through FEM</i> - Grégoire FORGES
14		<i>Analysis of the Behavior of the Series Connection in Small-scale Hybrid Photovoltaic-Thermoelectric Energy Harvesting Systems</i> - Mashiul HUQ
15		<i>Large Frequency Range Electrodynamic Receiver For Rotational Energy Harvesting</i> - Pierre GASNIER
16		<i>Autonomous power supply using a TEG and supercapacitors</i> - Vincent BOITIER