IC1301 -WiPE
Wireless Power Transmission for Sustainable Electronics

WG1: Far-field Wireless Power Transmission
Aveiro, May 3-4, 2016

Chair: Alessandra Costanzo
Vice-Chair: Ana Collado
WG1 activities!

- Papers: 19
- Conferences: 4
- Workshops/Conferences: 5
- Projects proposals: 6
- STSM: 4
- Journals: 7
- Books: 2
- School: 1
IC 1301 - WIPE

International Spring School on

Electromagnetics and emerging technologies for pervasive applications: Internet of Things, Health and Safety

18th – 20th April, 2016
Bologna, Italy

Organizers:
Prof. Alessandra Costanzo, Prof. Diego Masotti
Some numbers..

3 days & 70 people

50 Attendees
40 Students granted by COST
1 Student: “Women in WPT” prize
2 Students
7 Researchers

20 Speakers
10 COST IC1301 members

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<th>Speakers</th>
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<tr>
<td>Prof. M. Bozzi (Italy)</td>
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<td>Prof. N.B. Carvalho (Portugal)</td>
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<td>Prof. J.C. Chiao (U.S.A.)</td>
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<td>Prof. G.E. Corazza (Italy)</td>
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<td>Prof. A. Costanzo (Italy)</td>
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<td>Prof. D. Dardari (Italy)</td>
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<td>Prof. B. Fraboni (Italy)</td>
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<td>Prof. G. Marrocco (Italy)</td>
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<td>Prof. D. Masotti (Italy)</td>
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<td>Prof. P.D. Mitcheson (UK)</td>
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<td>Prof. M. Mongiardo (Italy)</td>
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<td>Prof. G. Monti (Italy)</td>
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<td>Prof. P. Nepa (Italy)</td>
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<td>Prof. H. Rogier (Belgium)</td>
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<td>Prof. L. Roselli (Italy)</td>
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<td>Prof. D. Schreurs (Belgium)</td>
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<td>Prof. S. Tedjini (France)</td>
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<td>Prof. J.L.G. Tornero (Spain)</td>
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<td>Prof. F. Viani (Italy)</td>
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<td>Prof. H. Visser (The Netherlands)</td>
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~50 grant applications!

~16'000€

~8'000€

~24’000€

COST support

3 days & 70 people
Women in Wireless Power Transfer (WPT) Award

- Initiative to encourage and sustain women, especially young researchers, to actively participate in emerging technology research fields, as the Wireless Power Transfer -

AWARD consists of recognizing and providing financial assistance to participate to the IC1301 WiPE COST meetings and schools.

Winner: Sara Amendola
University of Roma Tor Vergata
..and now let’s try to fit all together in the pictures!

18th April 2016 - Start of School -

20th April 2016 - End of School -
Journals:


3. J. Gamec, J. Schneider, M. Gamcova, “Vivaldi antenna for UWB sensor networks,” in Elektronika ir Elektrotechnika” (IF-0,561 (2014); ISSN: 1392-1215) Accepted for publication


Conferences:


Conferences:


Conferences:

STSM:

Book Chapters:

Workshops/Conferences:


2. Workshop at IMS 2016: WFJ “Power amplifier and variable loads”, organizer Z. Popovic; talk on “Power amplifier load variation in high-efficiency near-field variable-distance inductive resonant wireless power transfer links” by A. Costanzo, C. Florian, F. Mastri, R. Paganelli, D. Masotti


Project proposals:


2. Intelligent textile materials for home healthcare. Call: Czech-Israeli Cooperative Scientific Research. Participants TU Brno (CZ), Holon Institute of Technology (IL)

3. FIT-WASP (Future Internet of Things, Wireless Autonomous Sensor Platform), H2020 ICT3, including Imperial College London and Thales TRT

4. H2020-COMPET-3-2015 project proposal ERASTUS “ELECTROMAGNETIC ENERGY BEAM AS A SOURCE OF ENERGY FOR SPACE PROBES”, participants EVOLEO, Instituto de Telecomunicações, University of Perugia, University of Bologna, CTTC, SELEX, LAAS, graded 13.5/15 (not funded)

5. H2020-COMPET-3-2015 project proposal SWIPT “Smart waveguide for Wireless Interconnects and Power Transmission”, participants AER, Heriot-Watt University, University of Bologna, SpaceForest, graded 11.5/15 (not funded)

6. ESA project “Lost in Space”, participants University of Bologna, Université Catholique de Louvain (just funded)
Thank you!

WG1: Far-field WPT systems

Diego Masotti