Finanziamenti comunitari per la mobilità individuale dei ricercatori del programma PEOPLE-Azioni Marie Curie del 7PQ di RST

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7th May 2013

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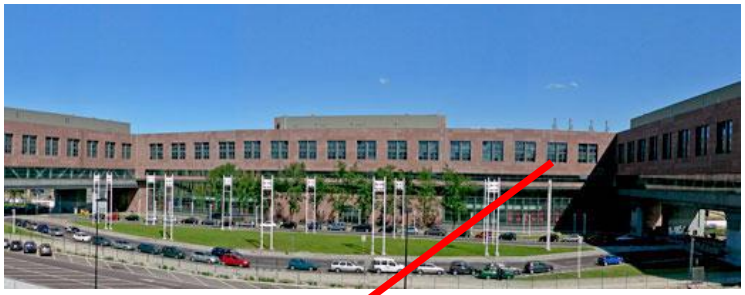
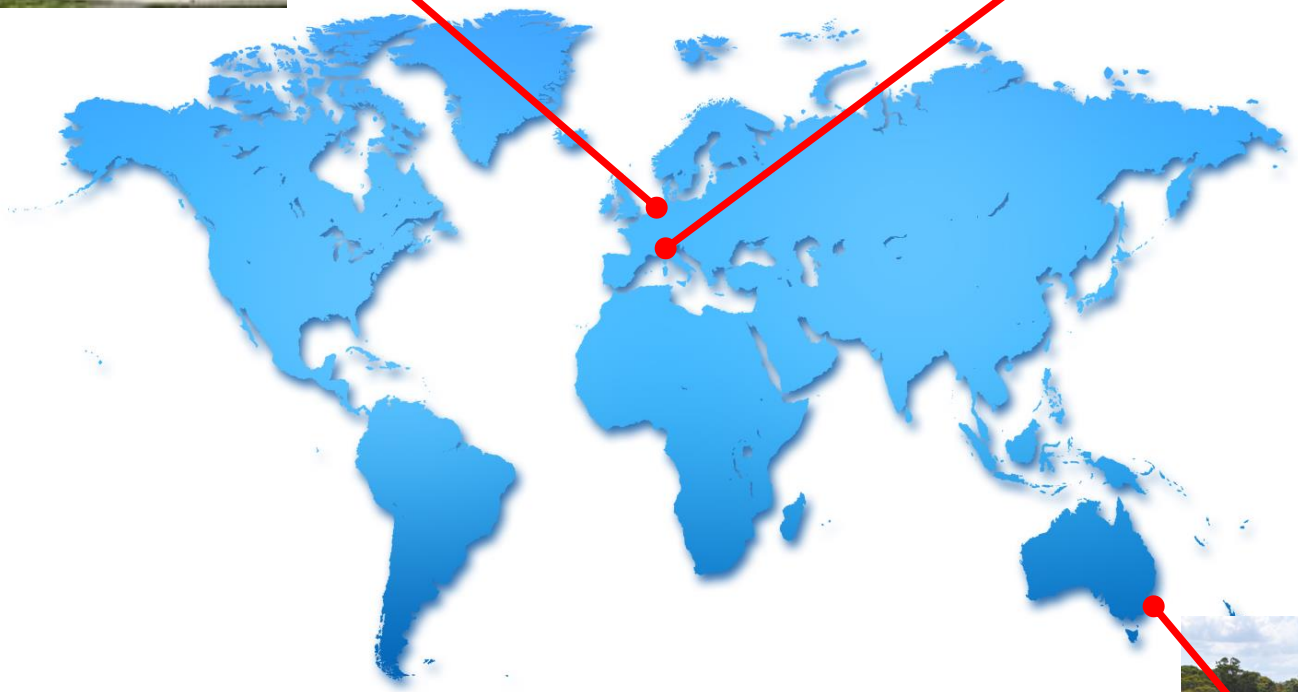
The project "acrostic"

ALOHA TORINO-SYDNEY

Analysis of
Low-cost
Original
Holographic
Antenna:
Theoretical
Ove**R**v**I**ew,
NOtes,
Stud**Y**,
Desig**N**, and
Eas**Y** Implementation

LACE
Laboratorio Antenne e Compatibilità Elettromagnetica





MACQUARIE UNIVERSITY | FACULTY OF SCIENCE

L. Matekovits

MARIE CURIE ACTIONS
PEOPLE

Documents

Before project starts:

1. Contracts:
   - EU-Polito
   - Polito-MC fellow – (co.co.co.)
2. Personal Carrier Development Plan
   - signed by the two scientists in charge

After project starts:

1. Reports: on-line reporting at https://webgate.ec.europa.eu/sesam-fp7/projectHome.do
   - publications
   - Photographs of prototypes, etc…
2. Timesheet (Polito web page)
3. Surveys
4. Travel reimbursement

After project ends:

1. Financial audit (if any)

*Reports**

Periodic

1. Work Progress And Achievements During the Period (2 Pages)
2. Additional Information
3. Project Management

Intermediate

1. Publishable Summary (2 Pages)
2. Project Objectives for the Period
3. Work Progress and Achievements During the Period
4. Additional Information
5. Dissemination Activities
6. Project Management

*Within 60 days after period ends

Final Reports *

Periodic (Intermediate)

1. Publishable Summary (2 Pages)
2. Project Objectives for the Period
3. Work Progress and Achievements During the Period
4. Additional Information
5. Dissemination Activities
6. Project Management

Final

1. Publishable Summary (2 Pages)
2. Dissemination Activities
    1. Section A (public)
        a. Free text
        b. Publications (peer reviewed)
    2. Section B (confidential)
3. Project Management

*Within 60 days after period ends

Advantages:

1. Full-time dedicated to the research:
   - no other admin. duties, teaching, etc.
   - freedom of managing of the time dedicated to the project and available economic resources

2. Networking: development and consolidation
   - participation to more than 20 conferences
   - meetings
   - friendships

Advantages (cont'd):

3. Scientific growth:
   - seminars, short courses, etc.
   - session chair, invited talk, TPC, member of Judge panel
   - elevation to IEEE Senior member

4. Increases in the number of publications:
   - 1 joint (Polito-MQ) patent application (+ extension to USA)
   - > 15 journal papers (peer reviewed)
   - > 50 conference papers (6 invited +1 invited talk)

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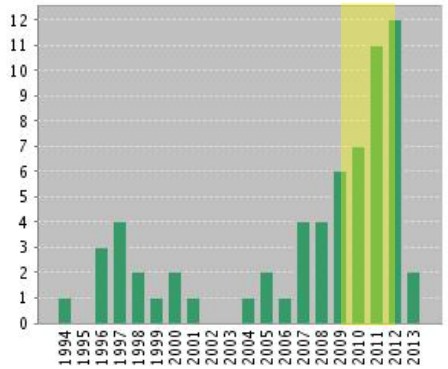
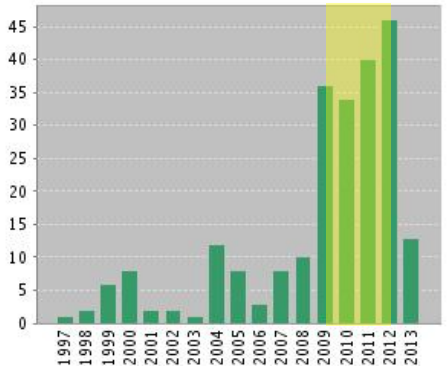
Published Items in Each Year



Citations in Each Year



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Sum of the Times Cited [?] : 232

Sum of Times Cited without self-citations [?] : 166

As at May 7th, 2013

MARIE CURIE ACTIONS

PEOPLE

Advantages (cont'd):

5. Collaborations:
   - Polito-MQ:
     - student and staff exchange (bilateral)
     - joint project applications ➡ 6 month visiting academic (present)
   - Personal level:
     - Seminars:
       i. Air Force Research Laboratory (AFRL)/Lincoln Laboratory Massachusetts Institute of Technology
       ii. School of Engineering and Information Technology, University of New South Wales, Australian Defence Force Academy
     - Research centers: CSIRO
     - Universities: Canada, USA, …..

Outreach

1. Italia-Australia bulletin (Bollettino della Comunità Scientifica in Australasia). A description of the project has been presented in both Italian and English languages.

Bollettino della Comunità Scientifica in Australasia

Aprile 2009

A window on Information Communication Technology

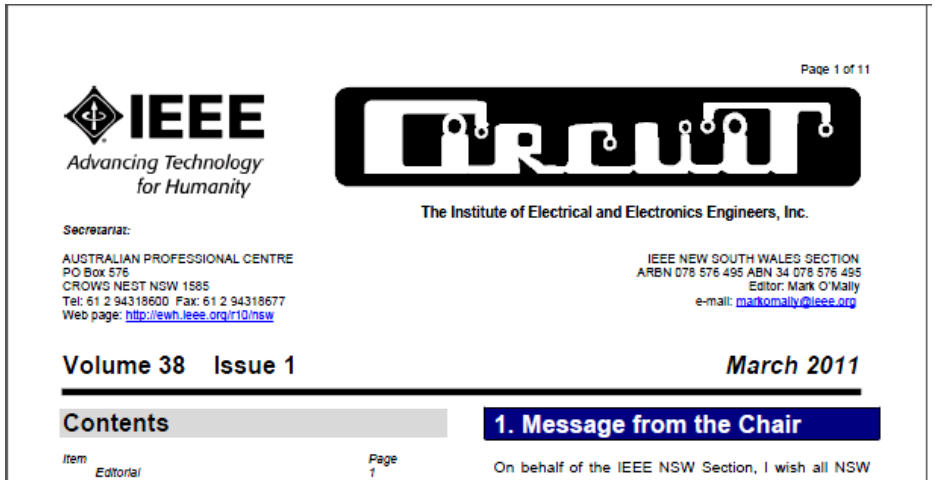
Edoardo Calia

An example of joint research between Europe and Australia

Mobility of researchers is a more and more frequent practice in present days. Even if resources are difficult to be raised, there are many opportunities in this sense. One of the organizations more active in funding research is the European Commission, which in the 7th Framework Program (7FP) and in particular in the Marie Curie Action: "International Outgoing Fellowships for career development (IOF)", dedicates significant economical resources to this kind of actions.

Outreach (cont'd)

2. The March 2011 issue of The IEEE New South Wales Newsletter CIRCUIT.



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Item Page
Editorial 1

1. Message from the Chair

On behalf of the IEEE NSW Section, I wish all NSW

2.11 MQ Engineering Colloquia Update

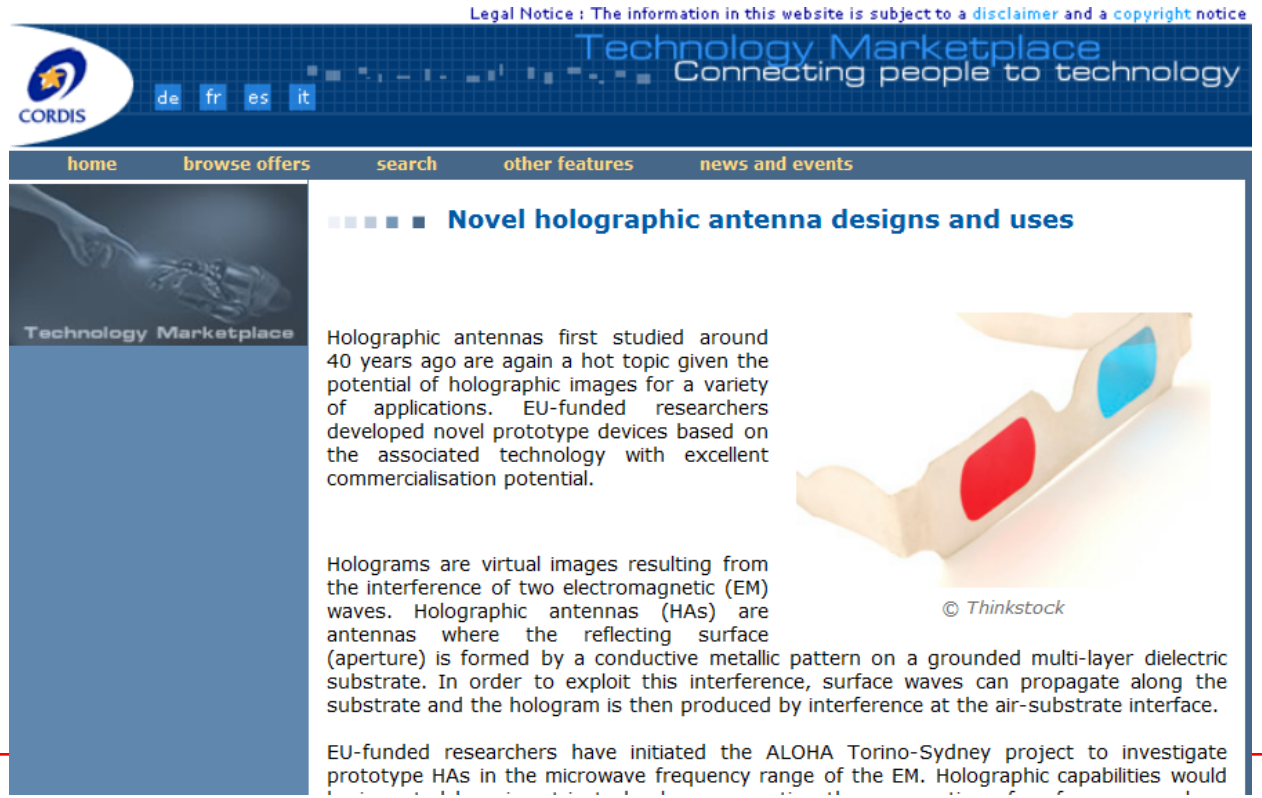
In an icebreaking series of talks organised at Macquarie University under the Macquarie University Engineering Colloquia (MQEC), various interesting topics were covered.

We started our series of talks with a presentation entitled "Electrostatic Discharge (ESD) Challenges in Modern and Future Integrated Circuits" by Dr. Juin J. Liou. Dr. Liou served as the IEEE EDS Vice-President for Regions/Chapters, IEEE EDS Treasurer, IEEE EDS. We also had a talk from Irina Rabeja entitled "Image Compression Techniques". Irina serves as a consultant to the Institute of Research in Chemistry, Romania. Professor Andrew Dzurak presented some of his latest research work in a talk entitled "Single-Atom Nanoelectronics and Spin Qubits in Silicon".

We recently had Associate Professor Ladislau Matekovits present on "Periodic Structures in the Field of Antennas: a Challenging Subject". Another recent talk was entitled "Technologies for Radio-Based Imaging Systems of the Very Large and Very Small Kind" by Dr. Andrew Helicar. A/Prof Matekovits is a Marie Curie Fellow at the Macquarie University. He is also serving as faculty at Electronics Department of the Politecnico di Torino, Italy. Dr. Matekovits is the recipient of a Raj Mittra Travel Grant (RMTG) - Student Researcher Award for participating in the 1997 IEEE AP-S International Symposium in Montreal, Canada; of a 1998 URSI Young Scientist Award (Thessaloniki, Greece); of the Barzilai Award 1998 (young scientist award, granted every two years by the Italian National Electromagnetic Group); of a 10th MICROCOLL Young Scientist Award 1999 (Budapest, Hungary), and of the Best AP2000 Oral Paper on Antennas, ESA-EUREL Millennium Conference on Antennas & Propagation (Davos, Switzerland).

Outreach (cont'd)

3. CORDIS: Technology Marketplace website (June 2012) (http://cordis.europa.eu/fetch?CALLER=OFFR_TM_EN&ACTION=D&RCN=8661).



Outreach (cont'd)

4. Polito:

invitation to share the "successful story" with researchers from the Politecnico di Torino interested in Marie Curie fellowships applications

- March 10th 2012
- today…..

Advices (?)

- Write down with *your words* what **you** want to do
- Explain in detail your research plan
- Graphical representations facilitate understanding
- Collect (and use) as many info as you can for the submission
- ….

Exploit this fantastic opportunity!

Thank you !

This presentation has been carried out as part of the research project:

"Analysis of Low-cost Original Holographic Antenna: Theoretical OveRvIew, NOtes, StudY, DesigN, and EasY Implementation" (ALOHA TORINO-SYDNEY)

Supported by a Marie Curie International Outgoing Fellowship within the 7th European Community Framework Programme.