

SHORT REPORT ON THE FIRST CONGRESS ON ADVANCED ELECTROMAGNETIC MATERIALS IN MICROWAVES AND OPTICS – METAMATERIALS’2007

The *First International Congress on Advanced Electromagnetic Materials in Microwaves and Optics – Metamaterials’2007* (<http://www.metamorphose-eu.org/Congress/>) has been held in Rome on 22-26 October 2007. The congress has been organized by the *Virtual Institute for Advanced Electromagnetic Materials and Metamaterials – METAMORPHOSE VI* (<http://www.metamorphose-vi.org/>) and has been hosted by the *University Roma Tre* (<http://www.dea.uniroma3.it/lema/>). The event has been sponsored by a number of technical international and national organizations, publishing companies, funding bodies, European Network of Excellence, industries.

The congress comprised a three-day conference (on 22-24 October) and two-day school (25-26 October) belonging to the *European Doctoral School on Metamaterials* (<http://www.school.metamorphose-eu.org/>). The conference has been attended by almost 400 registered delegates and has been structured with the following scheme: one plenary session on the first day (two plenary talks to highlight the state-of-the-art of metamaterial research in microwaves and optics given by Profs. George Eleftheriades and Vladimir Shalaev, respectively) and 40 oral sessions (regular, focused and invited sessions) organized in four parallel sessions each day, and 2 poster sessions. During the conference around 320 papers have been presented by the delegates. We had papers from 40 different Countries of the five Continents. The national distribution of the papers is depicted in the graph in Fig. 1. Most of the papers were collaborative papers representing joint efforts of international cooperation between different research groups.

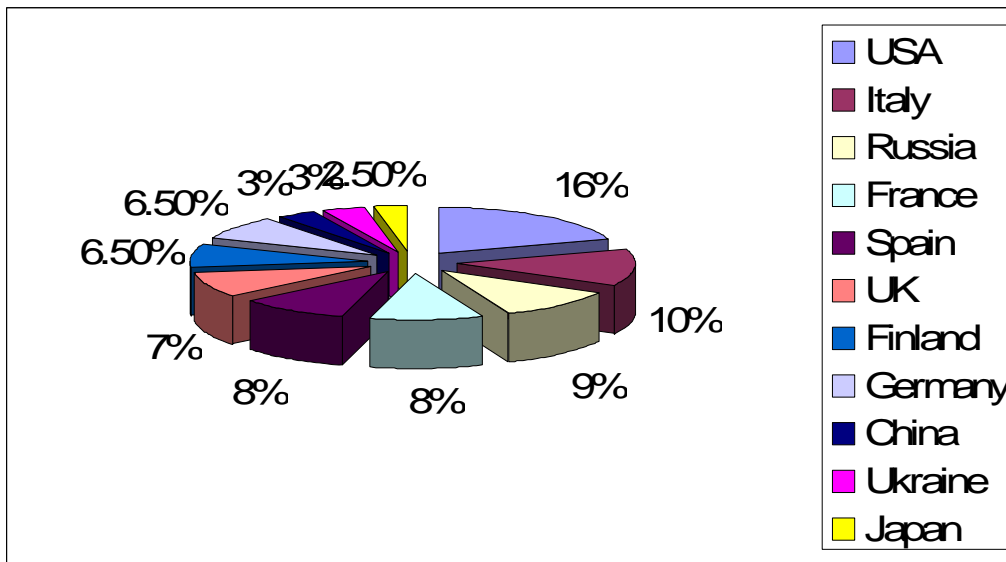


Fig. 1 National distribution of the papers presented at Metamaterials’2007.

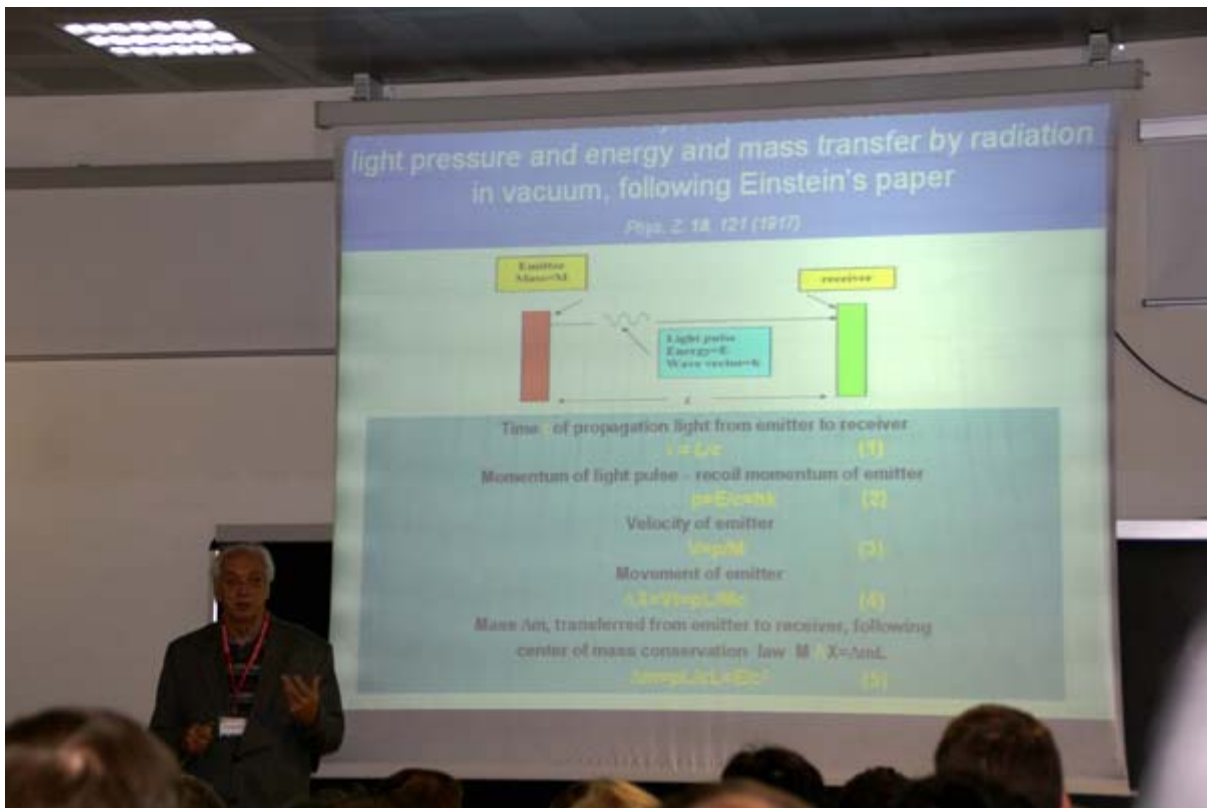
The conference has been supported also by some exhibitors (Elsevier, Institute of Physics, Computer Simulation Technology, Applied Wave Research, SPIE, Metamorphose VI), who presented their products at the exhibition booths made available by the organization.

The social program organized by Roma Tre comprised a private guided visit to the Vatican Museums and the Sistine Chapel, followed by a memorable social dinner held in one of the most beautiful rooms of the Vatican Museums.

A few delegates from low-income Countries and students have been supported through research and student grants by the Metamorphose NoE and industrial sponsors. Two prizes have been awarded during the closing ceremony: the best oral paper and the best poster awards.

The theme of the school was “*The role of metamaterials in cloaking technology.*” This course was a part of the *European Doctoral School on Metamaterials* and has been attended by around 100 persons: Ph.D. students, post-doctoral researchers, and senior researchers coming from academy, government bodies, and companies. The course has been given by five well recognized researchers in the field: Prof. Nader Engheta, Prof. Matti Lassas, Prof. Ulf Leonhardt, Prof. Vladimir Shalaev, Prof. Sergei Tretyakov. The participants of the school have been gathered for an informal dinner in a pizzeria belonging to the Vicarage of Rome.

Some pictures from the Congress



Picture 1 Prof. Victor Veselago is giving is talk.



Picture 2 Private visit to the Vatican Museums: view of the roof of the Sistine Chapel.



Picture 3 Prof. Sergei Tretyakov is giving his speech at the closing ceremony.



Picture 4 Prof. Filiberto Bilotti (left) is giving his speech at the closing ceremony. At the table also Profs. Sergei Tretyakov (center) and Alex Schuchinsly (right).



Picture 5 Dr. Wallen is receiving the prize for the best oral paper.



Picture 6 Prof. Filiberto Bilotti (left) and Mons. Lorenzo Leuzzi (right) are welcoming the participants of the school dinner.