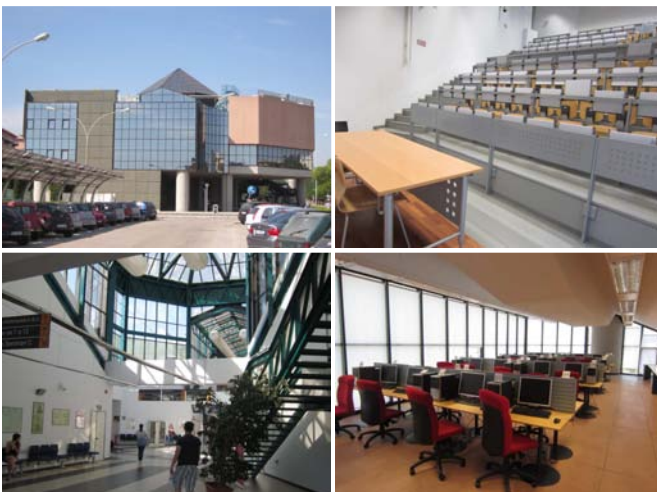


CONFERENCE VENUE

GIREP-MPTL 2014 International Conference will take place at the Conference and Didactic Centre of University of Palermo. The University was founded in 1806 by Ferdinand III of Bourbon, King of Naples and the Two Sicilies, who transformed the Palermo Academy of Studies into a real university. This was the beginning of the process by which UNIPA became what it is today, a mega-university which developed not only in Palermo, but also in central-western Sicily, as a response to specific needs of training and economic, social and cultural development.

Important scientists worked at the University of Palermo; among these, the astronomer Giuseppe Piazzi (1746-1826), who discovered the first asteroid - Ceres, the chemist Stanislao Cannizzaro (1826-1910), who gave a decisive contribution to the modern atomic system, the great architect Giuseppe Venanzio Marvuglia (1729-1814), the Nobel Prize for Physics Emilio Segre (1905-1989), one of the "via Panisperna boys".

The University of Palermo always takes on a social as well as cultural, educational mission, which is typical of a public university, and even more important given the particular geographical and social context in which it operates.



ABOUT PALERMO

Palermo [paˈlɛrmo] (Palermu [paˈlɛrmu] in Sicilian) is a city of the south of Italy, on the northwestern coast of the island of Sicily. Capital of the autonomous Region of Sicily, is the fifth Italian town by population after Rome, Milan, Naples and Turin, and the thirty-first in Europe.

The city was founded in 734 BC by the Phoenicians, who named it 'Zyz' ('Flower' or 'Shining'). The present name is derived from the Greek 'Panormos', meaning 'all harbour'. Palermo was part of the Roman Republic/Empire, and eventually part of the Byzantine Empire, for over a thousand years. From 827 to 1071 it was under Arab rule during the Emirate of Sicily, when it first became a capital. Following the Norman conquest, Palermo became capital of a new kingdom (from 1130 to 1816), the Kingdom of Sicily. Eventually it would be united with the Kingdom of Naples to form the Kingdom of Two Sicilies until the Italian unification of 1860. Today Palermo, with an urban area population of more than 850000, is Sicily's cultural, economic and touristic capital. It attracts many tourists for its nice Mediterranean weather, its renowned gastronomy and restaurants, its Romanesque, Gothic and Baroque churches, palaces and buildings, and its nightlife and music.



THE GIREP/MPTL 2014 INTERNATIONAL CONFERENCE IS SPONSORED BY



GIREP - MPTL 2014 INTERNATIONAL CONFERENCE



MPTL
Multimedia in Physics
Teaching and Learning

July 7-12, 2014

**University of Palermo
Italy**

**TEACHING/LEARNING PHYSICS:
INTEGRATING RESEARCH INTO PRACTICE**



<http://www.unipa.it/girep2014>

Dear Colleague,

We warmly invite you to participate in the GIREP-MPTL International Conference on Teaching/Learning Physics: Integrating Research into Practice to be held on July 7-12, 2014 at University of Palermo, Italy.

During the last few years, evidence based Physics Education Research provided results concerning the ways and strategies to improve student conceptual understanding, interest in Physics, epistemological awareness and insights for the construction of a scientific citizenship. However, Physics teaching practice seems resistant to adopting adapting these findings to their own situation and new research based curricula find difficulty in affirming and spread, both at school and university levels.

We hope that our conference will offer an opportunity for in-depth discussions of this apparently wide-spread tension in order to find ways to do better.

The organizers invite contributions addressing the following sub-themes in the field of:

- Physics Teaching and Learning at Elementary, Secondary and University Levels;
- Physics Teaching and Learning in Informal Settings;
- In-service and Pre-service Teacher Education;
- Physics Curriculum and Content Organization;
- Pedagogical Methods and Strategies;
- History of Physics in Physics Education;
- ICT and Multi-Media in Physics Education;
- Motivational Strategies and Metacognition;
- Socio-Cultural Issues.

The conference was initiated by **Groupe International de Recherche sur l'Enseignement de la Physique (GIREP)** and the **Multimedia in Physics Teaching and Learning (MPTL)** group, and it will be sponsored by the International **Commission on Physics Education (ICPE)**-Commission 14 of the **International Union for Pure and Applied Physics (IUPAP)**, the **European Physical Society-Physics Education Division**, the **Latin American Physics Education Network (LAPEN)** and the **Società Italiana di Fisica (SIF)**.

SCIENTIFIC ADVISORY COMMITTEE

- Rosa Maria Sperandeo-Mineo, Università di Palermo, Italy
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- Gorazd Planinsic, University of Ljubljana, Slovenia
- Elena Sassi, Università di Napoli, Italy
- Dean Zollmann, Kansas State University, USA

CALL FOR PAPERS

SUBMISSION OF PROPOSALS

The purpose of the GIREP-MPTL 2014 International Conference is to bring together people working in physics educational research and in physics education at all types of schools from the whole world to enable them to share research results and exchange experience.

The International Scientific Committee invites both empirical and theoretical proposals for:

- Single oral presentations
- Posters
- Workshops

The official language of the conference is English. Proposals should be submitted through the conference website:

<http://www.unipa.it/girep2014/>.

Before submitting your proposal, be sure to read carefully the guidance on the website about the content of proposals and the submission process.

REVIEW PROCESS

Depending on the format and type of proposal, it will be reviewed by at least two referees, from countries that are different to those of the authors, according to the criteria described in the website. The decision about the acceptance will be sent in due time.

PROCEEDINGS

All papers submitted for the GIREP-MPTL 2014 Proceedings will be blind-reviewed after the conference. If accepted, they will be published in electronic form in the Book of Proceedings, with ISBN code.

Selected conference papers will be published in printed form, with ISBN code.

IMPORTANT DATES

Conference days

July 7-12, 2014

Abstract Submission

Period 1: November 15, 2013 - January 15, 2014

Period 2: January 16, 2014 – March 30, 2014

Registration

Early: November 15, 2013 - March 01, 2014;

Normal: March 02, 2014-May 15, 2014

Late: after May 15, 2014;