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## Organizing Secretariat

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## 22<sup>nd</sup> International Conference on Chemistry Education

## 11<sup>th</sup> European Conference on Research In Chemical Education

15-20 July 2012 - ROME, Italy

Stimulating Reflection and Catalysing Change  
in Chemistry Education



Dipartimento di Chimica  
"Sapienza"  
Università di Roma

On behalf of the Italian Chemical Society and of its President prof. Vincenzo Barone, it is an honour, a privilege and a pleasure to invite you to Rome in July 2012 on the occasion of the ICCE and ECRICE conference. For the first time, the two major conferences on Chemical Education will join under the same roof, that of Rome, the eternal City: we are really proud for this and we will do our best to ensure full success of the event and a wonderful Italian trip of all the conveners. Chemical Education is constantly undergoing major changes and developments which are also connected to the changing role of Chemistry in Society and the way this science is perceived; as it always more becomes a Science where social, scientific, cultural and didactic aspects interact with each other and with other emerging disciplines such as Museology, Ethics, Communication Science. We hope that the Rome Conference will be remembered in the future for its contribution to the growth of the quality in Chemical Education. We are working hard to assemble a high-level scientific program as well as setting up working, living and leisure conditions suitable to make ICCE-ECRICE 2012 a memorable event.

I am sure that you will like to be part of it.

See you in Rome!

Luigi Campanella  
SCI Past President  
Conference Chairman

## Topics

- **Communicating Chemistry**
  - Teaching and learning Science and Chemistry
  - History and Philosophy of Chemistry in teaching fundamental concepts
  - Promoting the Globalization in Chemical Education
- **Didactics of Third Level Chemistry**
  - Problem solving in Chemistry: Skill development and assessment
  - Applications of Systemic Approach to Teaching and Learning in Chemistry
  - Chemistry and Civil Society
- **ICT and Multimedia in Teaching Chemistry**
  - The new educational software in Chemistry and science education and ways of improving Chemistry education with computers
  - Inquiry-Based Student-Centered Instruction
- **Didactics of Second Level Chemistry**
  - Pre-service training of Chemistry teachers
  - In-service training of Chemistry teachers
  - PCK and Chemistry teaching
- **Laboratory Work in Teaching Chemistry**
  - Building active learning environments

## Location

Rome is more than a fascinating European capital city; it is a spectacular encyclopedia of living history, including Vatican City, an independent city-state located entirely within Rome. Tours are plentiful and often based on themes of history, food and wine, art and religion. The whole experience is so powerful as to be almost overwhelming.

After all, Rome wasn't built in a day.

## Venue

The congress ICCE-ECRICE 2012 will be held at the University of Rome "La Sapienza".

The Sapienza University of Rome, formerly known as Università degli Studi di Roma "La Sapienza", is a coeducational, public university in Rome, Italy.

It is the largest European university and the oldest of Rome's three state-funded universities, being founded in 1303. In Italian, "sapienza" means "wisdom" or "knowledge".