



**International Conference on Technology in Mathematics Teaching  
13  
Lyon, 3-6 July 2017**  
<https://ictmt13.sciencesconf.org/>

## **Second announcement**

We invite you to participate at the 13<sup>th</sup> International conference on Technology in Mathematics Teaching on July 3-6, 2017 in Lyon. We would be pleased to see you all!

The ICTMT conferences aim to bring together lecturers, teachers, educators, curriculum designers, mathematics education researchers, learning technologists and educational software designers, who share an interest in improving the quality of teaching and learning by effective use of technology. It provides a forum for researchers and practitioners in this field to discuss and share better practices, theoretical knowhow, innovation and perspectives on educative technologies and their impact on the teaching and learning of mathematics.

### **ICTMT 13 scientific committee**

Nélia Amado, Portugal  
Michele Artigue, France  
Barbel Barzel, Germany  
Susana Carreira, Portugal  
Alison Clark-Wilson, UK  
António Domingos, Portugal  
Paul Drijvers, Holland  
Eleonora Faggiano, Italy  
Francesca Ferrara, Italy  
Ian Galloway, UK  
Angel Gutierrez, Spain  
Keith Jones, UK

Chronis Kynigos, Greece  
Michael McCabe, UK  
Antonella Montone, Italy  
Ricardo Nemirovsky, USA  
Jarmila Novotna, Czech Republic  
Ornella Robutti, Italy  
Michal Tabach, Israel  
Mike Thomas, New Zealand  
Luc Trouche, France  
Melih Turgut, Turkey  
Hans-Georg Weigand, Germany

### **ICTMT 13 local organizing committee**

Gilles Aldon, ENS Lyon  
Jana Trgalova, Lyon 1 University  
Christian Mercat, Lyon 1 University  
Joris Mithalal, Lyon 1 University  
Jean-Pierre Rabatel, ENS Lyon  
Corinne Raffin, ENS Lyon  
Sophie Soury-Lavergne, ENS Lyon

## Scientific activities

	Monday July 3rd	Tuesday July 4th	Wednesday July 5th	Thursday July 6th	
8:00-8:30	Registration				
8:30-9:00			Plenary 3		
9:00-9:30			Plenary 2 C. Kynigos	Round table	Communications 5
9:30-10:00			Coffee break	Poster session	
10:00-10:30					
10:30-11:00	Opening ceremony	Communications 2	Coffee break	Coffee break	
11:00-11:30					
11:30-12:00	Plenary 1		Communications 3	Plenary 4 A. I. Sacristan	
12:00-12:30	J. Monaghan & L. Trouche			Closing ceremony	
12:30-13:00	Lunch	Lunch	Lunch	Lunch	
13:00-13:30					
13:30-14:00					
14:00-14:30	Communications 1	Excursions	Communications 4	"Local" social event	
14:30-15:00					
15:00-15:30					
15:30-16:00	Coffee break		Coffee break		
16:00-16:30	Workshops 1		Workshops 2		
16:30-17:00					
17:00-17:30					
17:30-18:00					
18:00-18:30					
18:30-19:00					
19:00-19:30			Conference diner		
19:30-20:00					

## Themes of the conference

The general theme of this conference is related to the progress of mathematics education research on the design and integration of technology in educational settings, for learners of all ages from primary schools to universities. This theme will be split in the following subthemes that traditionally feed the ICTMT conferences:

### Curriculum

Technology and its use impact the ways that the mathematics curriculum is designed and implemented both in schools and at the university level. What are the new impacts of technology on the content, progression and approach to the mathematics curriculum?

### Assessment

Technology offers through its functionalities and affordances new possibilities for assessment in mathematics and particularly for formative assessment. How can teachers support the students' learning that makes use of these functionalities and affordances? How can technology support students to gain a better awareness of their own learning?



## **Students**

Does technology still motivate students to learn mathematics? How can technology support students' to learn mathematics? How can technology foster the development of creative mathematical thinking in students? How can students use their day-to-day technological skills/experiences to support their mathematics learning in and out of schools?

## **Teachers**

Technology can provide a means for mathematics teachers' professional development through online professional development initiatives, such as blended courses and more recently "massive Open Online Courses (MOOCs). How can technology best support mathematics teachers' professional development? What are the design principles for technology mediated professional development courses? How can the impact of such courses on mathematics teachers' professional learning be assessed? Does the use of technology within professional courses for practicing mathematics teachers impact positively on teachers' uses of technology in mathematics lessons?

## **Innovation**

New developments in technology for learning and teaching mathematics come both from the design of new applications and from research and innovation. In what ways can these developments enhance mathematics teaching and learning? How can technology become a bridge between mathematics and other subjects? Does creativity in the design of technology impact the creativity of students in mathematics classes?

## **Software and applications**

What is new in the design of educational software and applications? How can the recent technological developments, such as robotics, touch technology, virtual reality, be exploited to refresh or enhance mathematics teaching and learning?

## **Call for papers, posters and workshops**

Submissions of proposals for papers, posters and workshops are welcome in the above-mentioned themes of the conference. The conference official language is English. Paper and workshop submissions in French are also allowed; the accepted proposals will be presented in French in specific strands. These special strands will take place in parallel with some communication sessions, depending on the number of accepted proposals.

**Paper proposals** should present research outcomes, research in progress, innovative practices, theoretical developments or reports on the use of resources and experiences (up to 8 pages).

**Workshop proposals** should aim at sharing good practices with the use of technology in mathematics education, at the introduction of new technologies, at practical delivery in different teaching and learning environments (up to 2 pages). Workshops can be proposed with a duration of 2 hours or 4 hours; please indicate your preference in the submission of the proposal. In the latter case, the workshop will take place during two time slots.

**Poster proposals** may present concepts, ideas, or projects (up to 2 pages).

For each type of submission use the corresponding Template available on the conference website (paper template, poster template, workshop template). Submissions in French should use the same templates.

### Important dates

Papers, posters and workshops submissions	February 15, 2017
Acceptance Notification	March 10, 2017
Final versions of accepted papers	April 26, 2017

### Registration

The Conference Registration Fee includes participation, conference material, welcome reception, lunch, coffee breaks, conference dinner and excursion. The accompanying person will have admittance to the welcome reception, the excursion and the conference dinner.

The registration opens January 15, 2017.

	<b>Regular delegate</b>	<b>Student *</b>	<b>Accompanying person</b>
<b>Early fee</b> Before March 22, 2017	320 €	280 €	100 €
<b>Normal fee</b> Before May 4, 2017 <b>NEW</b>	350 €	320 €	100 €
<b>Late fee</b> until the conference opening	400 €	350 €	100 €

\* Upon presentation of a proof of the university



Additional information about conference venue, accommodation and social events will be provided on the conference website <https://ictmt13.sciencesconf.org/>.