

# The 9th International MATHEMATICAL CREATIVITY AND GIFTEDNESS Conference Program ([www.mcg-9.net](http://www.mcg-9.net))



## Thursday, June 25th, 2015

9:00 – 17:00	Arrival and registration of participants
17:00 – 18:00	<b>IC MCG meeting</b>
18:00 – 20:00	<b>Opening ceremony</b>
	Reception cocktail

## Friday, June 26th, 2015

9:00 – 10:00	<b>Plenary Lecture – Bharath Sriraman</b> Mathematical Pathologies as Pathways into Creativity
10:00 – 10:30	Coffee break
10:30 – 11:30	<b>Plenary Lecture – Gabriele Kaiser</b> Professional competences of teachers and its relation to creativity
12:00 – 13:00	<b>Workshop 1</b> Workshop 1.1. Room A Workshop 1.2. Room B Workshop 1.3. Room C
13:30 – 15:00	Lunch
15:00 – 16:30	<b>Oral Presentations 1</b> OP1.1 Room A OP1.2 Room B OP1.3 Room C
16:30 – 17:00	Coffee break
17:00 – 18:30	<b>Oral Presentations 2</b> OP2.1 Room A OP2.2 Room B OP2.3 Room C
18:30 – 19:00	<b>Meeting plenary speakers</b>
19:30 –	Dinner

## Saturday, June 27th, 2015

9:00 – 10:00	<b>Plenary Lecture – Viktor Freiman</b> Mathematical giftedness goes online: what are the new ways, tools, resources to develop talents and creativity in students?
10:00 – 10:30	Coffee break

10:30 – 11:30	<b>Plenary Lecture – Rina Zazkis</b> Virtual conversations on mathematical tasks
11:45 – 13:00	<b>Symposia</b> Symposium 1 Room A Symposium 2 Room B
13:00 – 15:00	Lunch
15:00 – 17:00	<b>Oral Presentations 3</b> OP3.1 Room A OP3.2 Room B OP3.3 Room C
17:00 – 17:30	Coffee break
17:30 – 18:00	<b>Meeting plenary speakers</b>
18:00 – 19:00	<b>MCG meeting</b>
19:30 –	Festive Dinner

Sunday, June 28th, 2015

9:00 – 10:00	<b>Research panel – Roza Leikin, Demetra Pitta-Pantazi, Florence Mihaela Singer, Linda Sheffield</b> Connection between theory and practice in gifted education
10:00 – 10:30	Coffee break
10:30 – 11:30	<b>Workshop 2</b> Workshop 2.1. Room A Workshop 2.2. Room B
11:30 – 13:00	Lunch (+ <b>IC Meeting</b> )
13:00 – 16:00	Excursion – Visit to the Peles Castle
16:00 –	Departure

## ORAL PRESENTATIONS

### ORAL PRESENTATIONS 1

Friday, June 26, 2015

15:00 – 16:30

1.1. Creativity in elementary education  
Chairman: **Marianne Nolte**

Room A

Nr.	Authors	Paper title
1	<b>Anna Prusak</b>	Nurturing student's creativity through telling mathematical stories
2	<b>Maria Kattou</b> <b>Constantinos Christou</b> <b>Demetra Pitta-Pantazi</b>	Solving a mathematical creativity task
3	<b>Mark Applebaum</b> <b>Elena Gofman</b>	The perception of the concept of a "challenging task" by mathemati promising elementary school students
4	<b>Aleksandra Mihajlovic</b>	Using open-ended problems and problem posing activities in elementary

Mirko Dejjc

mathematics classroom

**1.2. Creativity in Mathematics Competitions**

Room B

Chairman: **Roza Leikin**

Nr.	Authors	Paper title
1	Ingrida Veilande Sandra Krauze	The analysis of 6th grade students' works at the open Mathematical Olympiad
2	Ariana-Stanca Văcărețu	Learning math through research and cooperation
3	Dace Kuma	Novelties in Math Olympiads in Latvia
4	Gregory Makrides	Le-MATH: learning mathematics through new communication factors

**1.3. Problem solving and problem posing situations**

Room C

Chairman: **Ewa Swoboda**

Nr.	Authors	Paper title
1	Boris Koichu	Problem solving and choice-based pedagogies
2	Mihaela Singer Ildikó Pelczer Cristian Voica	Problem posing cognitive style - can it be used to assess mathematical creativity?
3	Bronislaw Czarnocha William Baker	Creativity and bisociation
4	Gönül Yazgan-Sağ Ziya Argün	Self-control and self-monitoring processes of gifted students in mathematical problem solving situations

**ORAL PRESENTATIONS 2****Friday, June 26, 2015****17:00 – 18:30****2.1. Creativity in early years**

Room A

Chairman: **Alex Friedlander**

Nr.	Authors	Paper title
1	Melanie Beck	Combinational play between mathematical domains as one dimension of mathematical creativity in the early years
2	Jana Slezakova Ewa Swoboda	Looking for the way to support children's mathematical creativity
3	Panayiota Irakleous Demetra Pitta-Pantazi	Identifying mathematically gifted preschoolers

**2.2. Expertise vs. mathematical giftedness**

Room B

Chairman: **Boris Koichu**

Nr.	Authors	Paper title
1	Linda Jensen Sheffield	Myths about "gifted" mathematics students: how widespread are they?
2	Torsten Fritzlar	Mathematical giftedness as developing expertise
3	Zekeriya Karadag Yasemin Devecioglu-Kaymakci	Bayburt's Got Gifted

**2.3. Developing creativity through challenging activities**

Room C

Chairman: **Jong Sool Choi**

Nr.	Authors	Paper title
1	Naomi Prusak Rina Hershkowitz	Creativity developed within an activity that affords multiple solution and multimodal argume
2	Ralf Benoelken	"Mathe für Kleine Asse" – An enrichment project at the university of Münster
3	Sorin Alexe Gabriela Alexe Consuela Luiza Voica Cristian Voica	XColony educational activities enhance spatial reasoning in middle school stu

## ORAL PRESENTATIONS 3

**Saturday, June 27, 2015**  
**15:00 – 17:00**

### 3.1. Mathematical giftedness, talent and promise

Room A

Chairman: [Torsten Fritzlar](#)

Nr.	Authors	Paper title
1	Daniela Assmus Frank Förster	Analogical-reasoning abilities of mathematically gifted children - first results of video study ViStAD
2	Paraskevi Sophocleous Demetra Pitta-Pantazi	Higher order thinking in mathematics
3	Michael Kainose Mhlolo	Examining covert impediments to inclusive education for the mathematically gi learners in South Africa
4	Nicolae Popa	"The week of mathematics" – a project with creative approaches

### 3.2. Challenges in the teaching practice

Room B

Chairman: [LindaJensen Sheffield](#)

Nr.	Authors	Paper title
1	Jong Sool Choi	A method of teaching Mathematics in Korea Science Academy
2	Elcin Emre Akdogan Gönül Yazgan-Sağ	Prospective teachers' views of creativity in school mathematics
3	Sinan Kanbir	Ability grouping for mathematically promising students
4	Edel Reilly	Supermath: a creative way to use gifted math students' talents

### 3.3. Teaching discourse in creative learning environments

Room C

Chairman: [Ralf Benoelken](#)

Nr.	Authors	Paper title
1	Rina Hershkowitz Michal Tabach Shirly Azmon Chris Rasmussen Tommy Dreyfus	Do teacher's ways of enhancing discourse in her class leave traces on her stuc post-test responses?
2	Michal Tabach Alex Friedlander	Algebraic symbols and creative thinking
3	Emilia Angelova Velikova	A study on the relation between creative school environment and creative students' persor process and product

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Zekeriya Karadag  
 Dragana Martinovic  
 Seyda Birni

Mathematical creativity and the affordances of dynamic and interactive mathem  
 learning environments

## WORKSHOPS

### WORKSHOPS1

Friday, June 26, 2015

12:00 – 13:00

NS	Room	Authors	Workshop title
1.1.	A	Linda Jensen Sheffield	Rational Creativity: Algorithms or Innovation? Teaching Operations with Fractions
1.2.	B	Florence Mihaela Singer Cristian Voica	Effective feedback for efficient learning: A computer-based system of assessment
1.3.	C	Consuela Luiza Voica Aurelia Grigorescu	Visualizing geometric concepts using a novel type of 3D puzzles

### WORKSHOPS2

Sunday, June 28, 2015

10:30 – 11:30

NS	Room	Authors	Workshop title
2.1.	A	William Renwick Speer	Activities that Engage Gifted and Talented Students in Productive Struggle with Desirable Difficulties: A Model Encouraging Intense Discourse and Reasoning
2.2.	B	Sinan Kanbir	Use of algebraic reasoning for early identification of mathematical talent

## SYMPOSIA

Saturday, June 27, 2015

11:45 – 13:00

SYM	Room	Authors	Symposium title
1	A	Bronislaw Czarnocha William Baker	The nature of creativity
2	B	Marianne Nolte	Fostering Mathematical Giftedness in regular classroom setting and in special programs

