



13 – 15 April 2015, Opatija, Croatia

The Faculty of Teacher Education  
University of Zagreb  
Conference

international academic conference

[www.UFZG2015.com](http://www.UFZG2015.com)



Sveučilište u Zagrebu  
Učiteljski fakultet



The Faculty of Teacher Education  
University of Zagreb  
Conference

international academic conference

**Researching Paradigms of Childhood and Education**

**13 - 15 April 2015, Opatija, Croatia**

## Dear colleagues

The Faculty of Teacher Education University of Zagreb Conference 2015: Researching Paradigms of Childhood and Education is an interdisciplinary conference which includes the following symposiums: *Kinesiological Education – the Present and the Future*, *Child language and Culture*, *Basic Methodical Sources of Education and Art Teaching* and *Researching Musical Paradigms of Childhood and Education*, *School for Net-generation: Internal Reform of Primary and Secondary School Education* and *ICT in Education*. The Faculty of Teacher Education of the University of Zagreb finds interdisciplinarity a necessary approach when it comes to childhood and education, which is also outlined in the character of this Conference. The goal of this Conference is improving the scientific basis of teacher education, as well as the education of all other researchers and experts focused on the matter, which is also the fundamental role of teacher education insitutions.

Sincerely

**Conference Chairman**

Ivan Prskalo, PhD, full professor  
Dean of the Faculty of Teacher Education

## Co-organizers

Faculty of Arts, University of Maribor, Slovenia

Faculty of Education, Università Cattolica del Sacro Cuore, Milan, Italy

Luigj Gurakuqi University, Shkodër, Albania

Department of Croatian Language and Literature, Faculty of Humanities and Social Sciences, University of Zagreb

Croatian Association of Researchers in Children's Literature

Croatian Literary – Educational Association

Institute for Social Research in Zagreb, Croatia

Faculty of Science and Education, University of Mostar, Bosnia and Herzegovina

Faculty of Arts, University of Ljubljana, Slovenia

Faculty of Education, University of Ljubljana, Slovenia

FIEP Europe

University of Teacher Education Vienna, Austria

Institute of Croatian Language and Linguistics

Croatian Association of Kinesiology Methodologists

## Symposium Topics

**1.** Kinesiological Education – the Present and the Future

**2.** Child Language and Culture

**3.** Basic Methodical Sources of Education and Art Teaching and Researching Musical Paradigms of Childhood and Education

**4.** School for Net-generation: Internal Reform of Primary and Secondary School Education

**5.** ICT in Education

## Venue

Opatija, Grand Hotel 4 Opatijska Cvijeta\*\*\*\*

## Conference Chairman

Ivan Prskalo, Dean of the Faculty of Teacher Education

## Organizing Committee

### Chairman:

Tamara Gazdić-Alerić, Vice Dean for Science, Arts and International Cooperation

### Members of the Organizing Committee:

Ivan Prskalo, Dean

Stjepko Rupčić, Vice Dean for Students and Study

Vatroslav Horvat, Vice Dean for Business and Development

Tamara Turza-Bogdan, Vice Dean for Business, Students and Study in the Čakovec branch

Berislav Majhut, Vice Dean for Business, Students and Study in the Petrinja branch

Iva Gruić

Miroslav Huzjak

Diana Atanasov Piljek

Tomislav Vrandečić

Siniša Opić

Vatroslav Zovko

## Programme Committee

### Chairman:

Majda Rijavec, University of Zagreb, Croatia

### Members of the Programme Committee: :

Marko Alerić, University of Zagreb, Croatia

Branislav Antala, Comenius University in Bratislava, Slovakia

Diana Atanasov Piljek, University of Zagreb, Croatia

Marko Badrić, University of Zagreb, Croatia

Branislava Baranović, Institute for Social Research in Zagreb, Croatia

Marija BešterTurk, University of Ljubljana, Slovenia

Jozef Bushati, University of Shkodra, Albania

Lidija Cvikić, University of Zagreb, Croatia

Carolina Maria Dias Gonçalves, Polytechnic Institute of Lisbon, Portugal

Gezim Dibra, University of Shkodra, Albania

Matjaž Duh, University of Maribor, Slovenia

Mario Dumančić, University of Zagreb, Croatia

Blaženka Filipan Žignić, University of Zagreb, Croatia

Željka Flegar, Josip Juraj Strossmayer University of Osijek, Croatia

Csaba Földes, University of Erfurt, Germany

Tamara Gazdić-Alerić, University of Zagreb, Croatia

Renata Geld, University of Zagreb, Croatia

Iva Gruić, University of Zagreb, Croatia

Vatroslav Horvat, University of Zagreb, Croatia

Tuğba Hoşgörür, Muğla Sıtkı Koçman University, Turkey

Miroslav Huzjak, University of Zagreb, Croatia

Josip Ivanović, University of Novi Sad, Serbia

Željko Jozić, Institute of Croatian Language and Linguistics, Croatia

Tamara Jurkić Sviben, University of Zagreb, Croatia

Brigita Kacjan, University of Maribor, Slovenia

Jana Kalin, University of Ljubljana, Slovenia

Ljupčo Kevereski, St. Clement of Ohrid University of Bitola, Macedonia

Jeanne Klein, University of Kansas, USA

Ljiljana Klinger, Croatian Literary - Educational Association, Zagreb, Croatia

Marjeta Kovač, University of Ljubljana, Slovenia

Mira Krajnc Ivič, University of Maribor, Slovenia

Mladen Kvesić, University of Mostar, Bosnia and Herzegovina

Ildiko Lazar, Eötvös Loránd University, Budapest, Hungary

Claudia Lenz, Norwegian Institute for Science and Technology, Trondheim, Norway

Markus Lermen, University of Kaiserslautern, Germany

Berislav Majhut, University of Zagreb, Croatia

Milan Matijević, University of Zagreb, Croatia

Milica Mihaljević, Institute of Croatian Language and Linguistics, Croatia

Saša Milić, University of Montenegro, Podgorica, Crna Gora

Wolfgang Müller-Commichau, Rhein-Mein University of Applied Sciences, Wiesbaden, Germany

Hašim Muminović, University of Sarajevo, Bosnia and Herzegovina  
 Marianne Nikolov, University of Pecs, Hungary  
 Zoran Nježić, University of Zagreb, Croatia  
 Siniša Opić, University of Zagreb, Croatia  
 Najat Ouakrim-Soivio, University of Helsinki, Finland  
 Marek Oziewicz, University of Minnesota, Minneapolis, USA  
 Bernardina Petrović, University of Zagreb, Croatia  
 Simone Pfenninger, University of Zürich, Switzerland  
 Lahorka Plejić Poje, University of Zagreb, Croatia  
 Simonetta Polenghi, Università Cattolica del Sacro Cuore, Milan, Italy  
 Mimoza Prik, University of Shkodra, Albania  
 Edvard Protner, University of Maribor, Slovenia  
 Marina Protrka, University of Zagreb, Croatia  
 Ivan Prskalo, University of Zagreb, Croatia  
 Paulina Pycia, University of Silesia in Katowice, Poland  
 Pia Maria Rabensteiner, University College of Teacher Education, Klagenfurt, Austria  
 Zrinka Ristić Dedić, Institute for Social Research in Zagreb, Croatia  
 Veljka Ružička Kenfel, University of Vigo, Spain  
 Domenico Simeone, Università Cattolica del Sacro Cuore, Milan, Italy  
 Janez Skela, University of Ljubljana, Slovenia  
 Lazar Stošić, College of Professional Studies Educators, Aleksinac, Serbia  
 Janko Strel, University of Ljubljana, Slovenia  
 Nenad Suzić, University of Banja Luka, Bosnia and Herzegovina  
 Peter Svetina, Institute of Slavic Studies, Klagenfurt, Austria  
 Nevio Šetić, Croatian Literary – Educational Association, Zagreb, Croatia  
 Stanislava-Staša Tofoska-Janeska, St. Cyril and Methodius University of Skopje, Macedonia  
 Sanda Lucija Udier, University of Zagreb, Croatia  
 Milena Valenčič Zuljan, University of Ljubljana, Slovenia  
 Vlasta Vizek Vidović, Institute for Social Research in Zagreb, Croatia  
 Tomislav Vrandečić, University of Zagreb, Croatia  
 Lovorka Zergollern-Miletić, University of Zagreb, Croatia  
 Vatroslav Zovko, University of Zagreb, Croatia

## **Editors of the Conference Proceedings**

Ivan Prskalo  
 Vatroslav Horvat  
 Marko Badrić  
 Lidija Cvikić  
 Blaženka Filipan Žignić  
 Iva Gruić  
 Berislav Majhut  
 Lovorka Zergollern-Miletić  
 Miroslav Huzjak  
 Diana Atanasov Piljek  
 Tamara Jurkić Sviben

Tomislav Vrandečić  
Siniša Opić  
Milan Matijević  
Mario Dumančić  
Vatroslav Zovko  
Zoran Nježić

## Conference Secretaries

Srna Jenko Miholić  
Martina Puškarić

## Sponsors

University of Zagreb  
Croatian Journal of Education  
Journal of Research on Children's Literature and Culture  
Ministry of Science, Education and Sports

## Working Languages

Croatian, English, German (only for the philological symposium Children's Language and Culture)

## Means of Participation

presentation or participation in the lectures and workshops as a listener, poster.

## Deadlines for abstract and paper submission

Abstract submission: 1 December 2014  
Abstract acceptance: 15 December 2014  
Paper submission: 15 February 2014  
Reviews: 8 March 2015  
Corrections: 22 March 2015

**Abstracts are submitted online on [www.ufzg2015.com](http://www.ufzg2015.com)**

## Participation Fees

PER PERSON	700,00 KN / 95,00 EUR
FOR STUDENTS*	350,00 KN / 46,00 EUR

\*(postgraduate, graduate and undergraduate students)

### The participation fee includes:

- participation in the Conference
- promo bag with materials and a summary book
- participation in the opening ceremony and a welcome drink
- coffee breaks
- formal dinner.

Participants can apply for the Conference online on [www.ufzg2015.com](http://www.ufzg2015.com) by 5 April 2015.

## Accommodation

The participants can book their accommodation in Grand Hotel 4 Opatijska Cvijeta\*\*\*\* (<http://www.milenijhoteli.hr/opatij/en/grand-hotel-4-opatijska-cvijeta.php>) at a special price from 13 – 15 April 2015. The listed prices are per person per day and include full board (excl. drinks), VAT and use of the swimming pool.

Accommodation in a single room per person per day:	650,00 KN / 86 EUR
Accommodation in a double room per person per day:	540,00 KN / 71 EUR
Sojourn tax (not included in the price) per person per day:	7,00 KN / 1 EUR

Participants can apply for accommodation online on [www.ufzg2015.com](http://www.ufzg2015.com) by 10 February 2015 or until all vacancies have been filled. After that date, the confirmation of your accommodation will depend on the hotel's vacancies, so we recommend that you apply early. Additional costs (phone, bar, minibar) will be paid by the participant at the hotel reception at check out.

## Transportation

The participants are responsible for their own transportation. We are planning for organized transportation by bus from Zagreb to Opatija (13 April 2015) and from Opatija to Zagreb (15 April 2015). Please specify when registering if you would like to use the services of organized transportation.

## Payments - Participation Fees and Accommodation

Online payments are possible with the following credit cards: American Express, VISA and Master Card. Payments can also be made by wire transfer to the technical organizer's bank account, according to the estimate given by the online system.

## Cancellation

Written cancellations can be sent by fax or e-mail to the technical organizer's address.

### Participation cancellation fee:

- by April 1 – no fee
- after April 1 - 70,00 kn / 10,00 EUR for covering administrative costs

### Accommodation cancellation fee:

- by 10 February – no fee
- 11 February - 27 March – 50% refund from the total amount paid
- 28 March – 10 April - 30% refund from the total amount paid
- after 11 April – no refunds will be given



## Opatija

Opatija is located at the Adriatic shore, in the Kvarner bay on the eastern shore of the Istrian peninsula, where the sea stretches furthest into the mainland. In the late 19<sup>th</sup> century it became known as the pearl of the Austro-Hungarian riviera, since it was the favourite destination of the Austrian and European elite – emperors and kings, famous artists and distinguished individuals such as Wilhelm II, Franz Joseph, princess Sissi, Gustav Mahler, Isadora Duncan, Sergei Yesenin and many others.

Opatija is 175km away from Zagreb, the Croatian capital. It is only a few hours' drive away from several West European centers (Milan, Munich, Vienna, Graz, Budapest). Opatija is also in the 150km radius from three international airports, Zagreb, Ljubljana and Trieste.

**More about the destination <http://www.opatija-tourism.hr/hr/opatija/>**

## Contact

Faculty of Teacher Education, University of Zagreb

e-mail: [conference2015@ufzg.hr](mailto:conference2015@ufzg.hr)

[www.ufzg.hr](http://www.ufzg.hr)

## Technical Organizer

Penta PCO

Izidora Krsnjavog 25

10000 Zagreb

Contact person: Ana Jurašić

e-mail: [ana.jurasic@penta-zagreb.hr](mailto:ana.jurasic@penta-zagreb.hr)

Phone: 00385 1 462 86 15

Fax: 00385 1 4553 284

[www.penta-zagreb.hr](http://www.penta-zagreb.hr)

## Symposium Topics

**1<sup>st</sup> Symposium: Kinesiological Education – the Present and the Future**

**2<sup>nd</sup> Symposium: Child Language and Literature**

**3<sup>rd</sup> Symposium:**

**A. Basic Methodical Sources of Education and Art**

**B. Researching Musical Paradigms of Childhood and Education**

**4<sup>th</sup> Symposium: School for Net-generation: Internal Reform of Primary and Secondary School Education**

**5<sup>th</sup> Symposium: ICT in Education**

## 1<sup>st</sup> Symposium: Kinesiological Education – the Present and the Future

Kinesiological education is a comprehensive applied branch of kinesiology, whose comprehensiveness is based on its committing nature and monitoring individuals from pre-schol age into adulthood. Having that in mind, it is clear that kinesiological education bears the most responsibility in relation to other applied branches of kinesiology. In accordance with that responsibility and social regularities, it should offer scientifically based answers on optimizing the process of exercise in today's and especially future living conditions. The goal of this symposium is to systemize those answers and offer them to the professional and scientific community.

### Symposium Chairman

Ivan Prskalo

### Editors of the Symposium Proceedings

Ivan Prskalo

Vatroslav Horvat

Marko Badrić

### Organizing Committee

Ivan Prskalo

Vatroslav Horvat

Marko Badrić

Ivan Šerbetar

Marija Lorgar

Marijana Hraski

Ivana Nikolić

Snježana Mraković

Srna Jenko Miholić

Igor Bokor

Mateja Kunješić

### Secretary

Marijana Hraski

### Programme Committee

Vladimir Findak

Ivan Prskalo

Vatroslav Horvat

Marko Badrić

Janko Strel, Slovenia

Branislav Antala, Slovakia

Marjeta Kovač, Slovenia

Mladen Kvesić, Bosnia and Herzegovina

### Keynote Speakers

Marjeta Kovač, University of Ljubljana, Slovenia

Janko Strel, University of Ljubljana, Slovenia

### Contact

**1conference2015@ufzg.hr**

## 2<sup>nd</sup> Symposium: Child language and Literature

Research of children's language and culture in various contexts (such as social, ideological, educational, artistic, media, market etc.) holds a special place in the study of childhood. Such an interdisciplinary and multidisciplinary approach enables us to build a contemporary and wholesome image of children and childhood. The aim of this symposium is to open up space for diverse discussions in that direction, regardless of their source. Therefore we invite all authors who delve in child language and/or culture research in all its forms and social, educational and artistic contexts to participate.

### Topics

- The language of children's theatre
- Paradigms of child language research
- Material aspects of production and reception of children's literature
- Child language and the language of adults
- Educational drama as the mediator for cultural content
- Child language and paradigms of teaching
- Place for child language in language culture
- Media literacy of the new generation
- Researching media literacy
- The child and the multilingual environment (family, school, society)
- Language development of the multilingual child
- Education for multilingualism
- Intercultural education
- Children's religious literature: history and present
- History of books and reading: the specificity of children's books and reading
- Is a Croatian national children's book collection possible?
- Ideology and history of children's literature
- Ideology and history of theatre for young audiences
- (Central) European Children's Literature: Contacts and Intercultural Connections
- European Children's Literature from the 1980s until the Present: "Transition Period" (political and social issues, contexts: publishing practices, censorship, re-publication, translating, literature in education etc.)

### Symposium Chairman

Iva Gruić

### Editors of the Symposium Proceedings

Lidija Cvikić

Blaženka Filipan Žignić

Iva Gruić

Berislav Majhut

Lovorka Zergollern-Miletić

### Organizing Committee

Lidija Cvikić  
 Blaženka Filipan Žignić  
 Iva Gruić  
 Berislav Majhut  
 Lovorka Žergollern-Miletić

### Secretaries

Katarina Aladrović Slovaček  
 Marina Gabelica  
 Sanja Lovrić Kralj

### Programme Committee

Željka Flegar, (Faculty of Teacher Education in Osijek; Croatian Association of Researchers in Children's Literature)  
 Zrinka Jelaska (Faculty of Humanities and Social Sciences, Zagreb)  
 Leo Rafolt (Faculty of Humanities and Social Sciences, Zagreb)  
 Stanislava-Staša Tofoska-Janeska (St. Cyril and Methodius University of Skopje, Macedonia)  
 Paulina Pycia (University of Silesia in Katowice, Poland)  
 Sanja Ćurković Kalebić (Faculty of Humanities and Social Sciences, Split)  
 Vesna Bagarić Medve (Faculty of Humanities and Social Sciences, Osijek)  
 Janez Skela (Faculty of Arts, Ljubljana, Slovenia)  
 Milica Gačić (Faculty of Teacher Education, Zagreb)  
 Jelena Mihaljević Djigunović (Faculty of Humanities and Social Sciences, Zagreb)  
 Renata Geld (Faculty of Humanities and Social Sciences, Zagreb)  
 Marianne Nikolov (Faculty of Humanities, University of Pecs, Hungary)  
 Simone Pfenninger (University of Zürich, Switzerland)  
 Velimir Piškorec (Faculty of Humanities and Social Sciences, Zagreb)  
 Csaba Földes (University of Erfurt, Germany)  
 Dubravka Težak (Faculty of Teacher Education, Zagreb)  
 Robert Bacalja (Department of Teachers' and Preschool Teachers' Education, Zadar)  
 Marek Oziewicz (University of Minnesota, Minneapolis, USA)  
 Peter Svetina (Institute of Slavic Studies, Klagenfurt, Austria)  
 Veljka Ružička Kenfel (University of Vigo, Spain)  
 Jeanne Klein (University of Kansas, USA)

### Keynote Speaker

Mary Jane Kehily, The Open University, UK

### Contact

**2conference2015@ufzg.hr**

## 3<sup>rd</sup> symposium:

### A. Basic Methodical Sources of Education and Art

This symposium wishes to explore the attitudes towards the basic didactical postulates of art education. It will question the relationship between traditional and new approaches to art education, as well as specify what they encompass. The interdisciplinarity of methods calls for a presentation of results in various academic disciplines (pedagogy, didactics, psychology, sociology, philosophy of education) and a discussion on the directions for forming methodics as a separate academic discipline. It is necessary to consider the results that the current practice has produced and the direction to be taken next.

The West bases its methods of art teaching on the formalistic theories of Heinrich Wölfflin and the Vienna School of Art History on one hand and the theories of visual language on the other, i.e. language as such in the way that was studied by structuralists and poststructuralists. Since the public today, in the 21st century, still has problems in separating form and motive, saying they don't understand art that goes beyond mimesis and figurativism, language theories have proven as a good bridge to help laics surpass the theoretical flood that washed them over in the 20th century. After all, it is understandable that communication (in this case, with an art piece) cannot exist without language. From Immanuel Kant, who proved that language makes the world, through Ludwig Wittgenstein, who finds the source of all our ailments in language, philosophy has also shown a significant interest in language, which led to a so-called linguistic turn in the sixties. That approach also enabled satisfactory philosophical solutions to the problems created by quantum physics in the 20th century, the problems of uncertainty and duality, that resist its traditional (western) philosophy. Structuralist theory was now joined by semiology and hermeneutics, which jointly studied communicational and cognitional forms. Hence, the theory of language certainly has a place in the methods of art teaching.

Still, the 20<sup>th</sup> century has gone, culture has changed. Towards the end of the century it could be observed that we have become flooded with images, which is mainly due to technology and new, mass media. A change in philosophical paradigm has occurred, which replaced language with visualization. This new approach of human understanding of the world got the name pictorial or iconic turn. In it the picture takes precedence over language. The reason behind this turn is not just the quantitative increase of visual information, but also research that showed that the fundamental layer of human cognition is not made up by emotions or concepts, but images.

Modern art that promotes concepts, events and social activism differs greatly from traditional art. The curriculum needs to include more design, architecture and especially new media and media culture in general.

How do we do that? Which new methods to introduce? Which aspects of art teaching do we retain, which do we replace? What do we give priority to, what do we change, how do we approach the problems of interdisciplinarity, how do we increase the public perception of the time we live in (this mainly refers to the public taste in art, which still pertains more to the first half of the 19th century), how do we educate in the field of arts?

The purpose of this symposium is to gather artists, scientists and teachers who study art education, with the goal of presenting and analyzing new understandings, results and research, as well as exchanging experiences on the issue of interdisciplinarity, standardizing terminology and teaching strategies.

Papers will be published in an e-collection. The topics are general and each lecturer is free to propose a topic. The participants can introduce themselves with a lecture and/or a paper, as well as a poster. The participation fee is obligatory regardless of the means of presentation.

### **Symposium Chairman**

Miroslav Huzjak

### **Editor of the Symposium Proceedings**

Miroslav Huzjak

### **Organizing Committee**

Ljubomir Levačić

Miroslav Huzjak

### **Secretary**

Tamara Jurkić Sviben

### **Programme Committee**

Miroslav Huzjak, academic part of the symposium

Ljubomir Levačić, exhibition

### **Keynote Speaker**

Tonka Tacol, University of Ljubljana, Slovenia

### **Contact**

**3conference2015@ufzg.hr**

## B. Researching Musical Paradigms of Childhood and Education

The purpose and goal of this academic-artistic symposium is to create a base of contemporary musical paradigms and to contribute to the new academic, artistic and professional approach to the musical curriculum by gathering scientists, professional musicians, dancers, musical and dance pedagogists, educators, teachers, art academy students and postgraduates. We expect participants to contribute with their lectures, papers, posters, concerts, performances, music and dance workshops and other examples of good practice.

The performance part of the musical symposium implies a wider approach to musical education, both by working with students in musical schools and students in musical academies and via performances with the purpose of increasing awareness of the quality of musical expression, which future teachers will transfer onto children and give the next generation a better insight into the beauty of musical creation.

### Symposium Chairmen

Diana Atanasov Piljek, theoretical part of the symposium

Tomislav Vrandečić, performance

### Editors of the Symposium Proceedings

Diana Atanasov Piljek

Tamara Jurkić Sviben

Tomislav Vrandečić

### Organizing Committee

Tomislav Vrandečić

Diana Atanasov Piljek

### Secretary

Tamara Jurkić Sviben

### Programme Committee

Diana Atanasov Piljek

Tomislav Vrandečić

### Contact

**3conference2015@ufzg.hr**



## 4<sup>th</sup> Symposium: School for Net-generation: Internal Reform of Primary and Secondary School Education

The purpose of the symposium is to ensure an opportunity for a critical analysis of all variables of teaching in primary and secondary schools, an estimate of the educational and learning environment for the members of the net generation, presenting interesting pedagogical projects in primary and secondary schools, presenting results of research in primary and secondary education.

*Note: the symposium is organized as a part of research activities of the Faculty of Teacher Education, which is financed by the Croatian Science Foundation within the framework of the scientific project School for Net-generation: Internal Reform of Primary and Secondary School Education (2014 – 2017).*

### Topics

- Goals and outcomes in teaching in 2025
- Teaching for future and the future of teaching
- Obligatory school curriculum
- Interculturality in schools
- How does school prepare children for entering the workforce?
- How does school prepare children for lifelong learning?
- Multimedia digital environment for learning
- Computer selfefficiency of students and teachers
- Pedagogy and the internet
- Media influence over prosocial and antisocial behaviour
- New approaches to monitoring and evaluation of students in schools
- Students with special educational needs
- Neuroscience and neurodidactics
- Methodology of school reforms
- Reform pedagogy and e-learning
- Do we need a new reform pedagogy?
- Constructivist learning in primary and secondary education
- New (old) approaches of education research (for the future)
- Inclusive education - education for all

### Symposium Chairman

Siniša Opić

### Editors of the Symposium Proceedings

Siniša Opić, predsjednik Odbora

Milan Matijević

Dubravka Miljković

Vladimira Velički

Damir Velički  
 Mario Dumančić  
 Višnja Rajić  
 Goran Lapat  
 Tomislav Topolovčan

### Secretary

Višnja Rajić

### Programme Committee

Anđelka Peko, Osijek, Croatia  
 Carolina Maria Dias Gonçalves, Lisbon, Portugal  
 Claudia Lenz, Oslo, Norway  
 Damir Velički, Zagreb, Croatia  
 Dijana Vican, Zadar, Croatia  
 Dubravka Miljković, Zagreb, Croatia  
 Hašim Muminović, Sarajevo, Bosnia and Herzegovina  
 Ildiko Lazar, Budimpešta, Hungary  
 Jasna Krstović, Rijeka, Croatia  
 Josip Ivanović, Subotica, Serbia  
 Lazar Stošić, Aleksinac, Serbia  
 Ljupčo Kevereski, Bitola, Macedonia  
 Mario Dumančić, Zagreb, Croatia  
 Markus Lermen, Kaiserlautern, Germany  
 Matjaž Duh, Maribor, Slovenia  
 Milan Matijević, Zagreb, Croatia  
 Milena Valenčič Zuljan, Ljubljana, Slovenia  
 Najat Ouakrim-Soivio, Helsinki, Finland  
 Nenad Suzić, Banja Luka, Bosnia and Herzegovina  
 Pia Maria Rabensteiner, Klagenfurt, Austria  
 Saša Milić, Podgorica, Montenegro  
 Siniša Opić, Zagreb, Croatia  
 Tuğba Hoşgörür, Turkey  
 Višnja Rajić, Zagreb, Croatia  
 Vladimira Velički, Zagreb, Croatia  
 Wolfgang Müller-Commichau, Wiesbaden, Germany

### Keynote Speaker

Milena Valenčič Zuljan, University of Ljubljana, Slovenia

### Participants

University teachers and researchers, postgraduate students, teachers in primary and secondary schools, school associates and advisors, students of teacher education.

### Contact

[4conference2015@ufzg.hr](mailto:4conference2015@ufzg.hr)

## 5<sup>th</sup> symposium: ICT in Education

Accelerating pace of change and the development of information and communication technologies make educational process challenging for all stakeholders. ICT nowadays, more than ever, cannot be viewed as standalone issue. Rather, it must be viewed as an integral part of all aspects of education with environment and infrastructure that enables learners to be engaged and motivated for learning and reaching their full potential.

In particular, but not exclusively, the papers within the following topics are relevant:

### Development of ICT competencies

- Educational digital content creation
- Teacher training issues
- Curricula development
- Impact of ICT on teaching and learning

### Methodological and didactical aspects of teaching ICT and using ICT in education

- Standardization of ICT education and training
- Quality assurance in ICT education
- ICT tools and environments for professional training in educational systems
- CAT (Computer adopting testing) and MS (monitoring systems) in education
- ICT support for virtual educational communities

### Integration of ICT in educational process

- Linked Data and Data Clouds
- Management of physical, digital, human and social ICT resources
- Computer based knowledge management
- AI applications in education
- Technology and network infrastructure

### Emerging technologies

- Future of e-learning
- Ubiquitous computing
- Digitalized classrooms
- Tangible computing

### Symposium Chairman

Vatroslav Zovko

### Editors of the Symposium Proceedings

Mario Dumančić

Vatroslav Zovko

Zoran Nježić

### **Organizing Committee**

Mario Dumančić  
Vatroslav Zovko  
Zoran Nježić  
Predrag Oreški  
Tedo Vrbanac  
Vesna Markovac

### **Secretaries**

Nataša Rogulja  
Maja Homen

### **Programme Committee**

Mario Dumančić  
Vatroslav Zovko  
Zoran Nježić  
Predrag Oreški

### **Contact**

**5conference2015@ufzg.hr**

