



7th International Ergonomics Conference

ERGONOMICS 2018 – Emphasis on Wellbeing

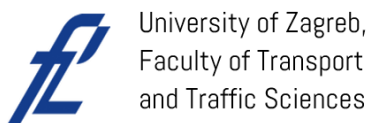
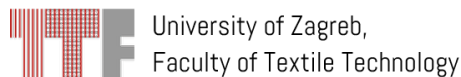
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7th International Ergonomics Conference

ERGONOMICS 2018 – Emphasis on Wellbeing

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Preface to the Conference Proceedings

The 7th International Ergonomics Conference - *ERGONOMICS 2018 – Emphasis on Wellbeing* was held in ZADAR, from June 13-16, 2018. Zadar is one of the most beautiful towns on the Adriatic coast, surrounded by historical ramparts, an old town monument and treasury of the archaeological wealth, elected in 2016 the EUROPEAN BEST DESTINATION.

The Conference topic *Emphasis on Wellbeing* highlights the importance of individual wellbeing at and outside the workplace, in accordance with many series of recent studies which have been focused on the establishment of wellbeing. Wellbeing has traditionally been the topic of numerous philosophical studies, but only in recent decades, it has become an important matter in numerous different and multidisciplinary fields.

The Conferences in this series have been organized by the Croatian Ergonomics Society (CES) from 2001 as part of CES objectives to promote ergonomics and exchange knowledge and experience with the scientific and professional community from Croatia and the world. The Conference *ERGONOMICS 2018 – Emphasis on Wellbeing* is a great opportunity for all our participants and all stakeholders to contribute to a valuable exchange of knowledge and experience, to encourage stronger interconnections between science and business, as well as a great way to open up new possibilities, meet old and make new friends, and contribute to advances in ergonomics in Croatia once again.

This time, the Conference *ERGONOMICS 2018 – Emphasis on Wellbeing* is a joint project with our co-organizing partners:

- EST (Ergonomics Society of Taiwan),
- CES (Chinese Ergonomics Society),
- HKES (Hong Kong Ergonomics Society),
- Russian IREA (Russian Inter-regional Ergonomics Association),
- FPZ (Faculty of Transport and Traffic Sciences), University of Zagreb,
- FSB (Faculty of Mechanical Engineering and Naval Architecture), University of Zagreb,
- TTF (Faculty of Textile Technology), University of Zagreb

Furthermore, Conference has been this time endorsed by:

- IEA (International Ergonomics Association),
- FEES (Federation of European Ergonomics Societies).
- ASC (Acoustical Society of Croatia)

The Conference program this time included oral and poster presentations of papers from the following GROUPS OF TOPICS:

- Aesthetics and Ergonomics
- Biomechanics and Modelling in Ergonomics
- Cognitive Ergonomics
- Education and Trainings in Work Safety and Ergonomics
- Ergonomics for People with Disabilities and Aging Population

- Ergonomics in Product and Process Design
- Ergonomic Regulations, Standards and Guidelines
- Healthcare Ergonomics
- Physical Ergonomics and Human Factors
- Human Comfort
- Safety and Risk Ergonomics
- Psychoacoustic Ergonomics
- Social and Occupational Ergonomics
- Traffic and Transport Ergonomics

The Organizing Committee (OC) of *ERGONOMICS 2018 – Emphasis on Wellbeing* received more than 80 contributions within diverse range of conference topics, from which only full texts of all reviewed and accepted papers were published in the Book of Proceedings with ISSN 1848-9699 (print) and ISSN 2584-5012 (USB), regardless of what type of presentation has been chosen (oral presentation or paper presentation). We are in the first stage of the Scopus submission process at the moment of publishing and we hope that the Book of Proceedings will be indexed in the Scopus base in the near future in order to ensure public availability of the published papers to a wide academic community. All submissions are peer-reviewed by the International Scientific Committee and referees from abroad and Croatia.

Besides, the connection with IEA and FEES has been improved, and it should be noted that CREE-IEA-FEES workshop as part of the Conference program for all the interested Conference participants was the beginning of the official cooperation between CES and CREE.

Finally, the Conference provided a good opportunity for new contacts, new experiences and new friendships.

I am pleased to note that the successful Conference is an outcome of the work of a large group of people. We would like to express deep appreciation to all co-organizing partners, patrons and sponsors, who enabled and helped to make this Conference successful. We also acknowledge the authors themselves, who contributed to the Conference success with their expertise, appreciating authors' willingness to devote their time for writing the papers and conducting the studies. Finally, with special respect, I would like to thank sincerely all the reviewers and all the members of all the Conference bodies from Croatia and from the world for their devoted work usually in their leisure time which was in the last part of their tasks under huge time pressure, as well as their families or partners for their patience during the preparation of the Conference in the few past months.

I believe that CES with the help of international partners will be able to keep up this level of performance in the future because of the involvement of several young colleagues from Croatia in the Conference organization, for which I am very happy and grateful.

Asst. Prof. Davor Sumpor, PhD
President of the Croatian Ergonomics Society
General Chair and President of the Organizing Committee

History of the International Ergonomics Conference

The Croatian Society of Ergonomics was established at the founding assembly on 20 May 1974 in Zagreb. The founder and the first president was professor emeritus Dragutin Taboršak. In the year 1991, the Croatian Society of Ergonomics changed its name into Croatian Ergonomics Society (CES). CES has taken care of scientific, professional and educational fields of ergonomic in the Republic of Croatia, as well as promoted cooperation with the business community. CES has been interconnected with relevant societies and organizations in the field of ergonomics worldwide to sustain the scientific and professional level.

In 2014, the Croatian Ergonomics Society celebrated its 40th anniversary. This was an excellent opportunity to present the current research and professional activities and contribution of the CES members to the development and promotion of ergonomics, the Croatian civil society and beyond.

Throughout the history of our CES, numerous activities of our members have contributed to our existence and affirmation in the broader society, and this has been converted into our liability to continue and promote ergonomics based on that foundation. Therefore, the activities of CES members as well as CES working bodies arise from our main objectives and strategies that were improved in a few last years and may be presented in short as follows:

1. Increasing the number of active and regular members in Croatia;
2. Providing a membership of prominent scientific and professional experts within the field of ergonomics from abroad in CES;
3. Organizing lectures, discussions and exchanging of experiences for the members of CES;
4. Continuing with activities of introducing the subject of ergonomics into the educational system in Croatia;
5. Organizing and implementing university study programs of ergonomics at undergraduate, graduate and doctoral levels in Croatia;
6. Promoting implementation of ergonomics into professional practice in Croatia;
7. Supervising and improving professional work within the field of ergonomics in Croatia as well as starting active co-operation with CREE (Centre for Registration of European Ergonomists);
8. Organizing conferences within the field of ergonomics in Croatia;
9. Co-organizing, supporting and endorsing all conferences in Croatia which contain groups of topics from the field of ergonomics;
10. Organizing and co-organizing popular seminars for the extension of ergonomics in Croatia;
11. Associating and affiliating with other similar and related societies from Croatia and the world;
12. Co-organizing and attending the related ergonomic conferences of all ergonomics societies in Europe and the world that officially and really support the work of CES;
13. Encouraging research work within the field of ergonomics in Croatia;
14. Active participation in the work of umbrella ergonomic associations in Europe and the world, such as FEES and IEA

Therefore, based on the enumerated CES objectives, and identified in the early days of the CES existence, our most prominent and most important action is to organize and co-organize conferences within the field of ergonomics, as well as to establish connections with other complementary Societies and individuals from Croatia and the world. In December 1999 the Congress marking the 25th anniversary of the Society was held in Zagreb, and based on the acquired conclusion, the most appreciated activity in promoting the Society existence and mission was identified as the organization of the International Ergonomics Conferences. Since then, CES successfully organized six International Conferences, listed consecutively:

- 1st International Ergonomics Conference – Ergonomics 2001, Zagreb,
- 2nd International Ergonomics Conference – Ergonomics 2004, Stubičke Toplice, Zagreb,
- 3rd International Ergonomics Conference – Ergonomics 2007, Stubičke Toplice, Zagreb,
- 4th International Ergonomics Conference – Ergonomics 2010, Stubičke Toplice, Zagreb,
- 5th International Ergonomics Conference – Ergonomics 2013, Zadar.
- 6th International Ergonomics Conference – Ergonomics 2016 – Focus on Synergy, Zadar.

The International Ergonomics Conference in Croatia has been founded and created by prof. Budimir Mijović, who was also the president of the Organizing committees of Conferences until 2013.

In the future, we expect that our vision and mission will be improved through the additional actions in order to affirm and promote ergonomics in Croatia.

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