Magic World of Textiles

BOOK OF PROCEEDINGS

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Faculty of Textile Technology
Zagreb, CROATIA

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PREFACE

Dear colleagues, dear friends!

The Faculty of Textile Technology, University of Zagreb, has organised the 7th International Textile, Clothing and Design Conference – Magic World of Textiles in Dubrovnik, which makes this conference, now we can be sure and proud of it, a traditional one.

Of the papers received this year, the members of the International Reviewer Committee have accepted 116 papers for the 7th ITC&DC and all of them are published in this Book of Proceedings. It witnesses to the fact we are all sure of – that the scientific research in the field of textiles is attractive, interesting, and a “cool” field.

Our big ITC&DC family has grown out of the seven ITC&DC conferences organised up to now, and it includes more than 2150 authors from 36 countries of Europe and all over the world. As every decent family, we have found, thanks to the hospitality of the Centre for Advanced Academic Studies (CAAS), our home here in Dubrovnik.

I am sure everybody is eagerly looking forwards to meeting the old friends here in Dubrovnik, or just to see who would come and get some new acquaintances. I am personally grateful to all the colleagues who attended previous ITC&DC for coming again to the beautiful town of Dubrovnik. However, I am sincerely happy for those who are here in Dubrovnik and Croatia for the first time. Welcome home, all of you! Dubrovnik is the city everybody falls in love with. Once you have seen it, you return.

For a number of important reasons, the ITC&DC is organised in Dubrovnik. Historically speaking, at the time of the Dubrovnik Republic (from the early Middle Ages to the time of the Napoleonic Wars) the ships of the Republic sailed world-wide, and Dubrovnik even had its colonies (not many people know that Goya in India used to be a Dubrovnik colony). The part of the town called Pile, where our Conference is held, used to be the centre of textiles in the Dubrovnik Republic, and the peasants in the nearby Konavosko polje reared silkworms and produced silk until the mid-nineteenth century. Dubrovnik is also a city of exceptional cultural and historical monuments and is included in the UNESCO World Heritage List. It is also a city with a millennium (or almost two millennia) history, where everybody can find his/her true self. Those who seek paradise on Earth should come to Dubrovnik and see Dubrovnik, as Bernard Shaw once said. This is why we are in Dubrovnik.

I would like to express my sincerest thanks to all the participants for their valuable contribution and readiness to spend a part of their time in Dubrovnik, making the picture of the Magic World of Textiles more valuable and more real.

My special thanks go to the Government of the Republic of Croatia, as well as to the international scientific associations that have accepted to be the patrons of the conference, proving it to be necessary, justified and useful.

My gratitude also goes to all the individuals and institutions that have helped organising the 7th ITC&DC.

Zvonko DRAGČEVIĆ
Final report for ITC&DC Conferences – Magic World of Textiles

1st ITC&DC 2002

Date & Place          | October 6-9th 2002, Dubrovnik, Croatia
Under the Auspices   | DAAAM International, Vienna, Austria; AUTEX, Ghent, Belgium; The Textile Institute, Manchester, United Kingdom; The International Textile Academy New Delhi, India; University of Zagreb, Zagreb, Croatia; Croatian Academy of Engineering, Zagreb, Croatia
Scientific Committee | Ivo Soljačić (HR) – president; D. C. Adolphe (FR), A.P. Cavaco (PT), Z. Dragčević (HR), J. Geršak (SI), B. C. Goswami (US), P. K. Hari (IN), B. Katalinić (AT), D. Katović (HR); P. Kiekens (BE), I. Krucinska (PL), J. Kurz (DE); A. Marcincin (SK), J. Militky (CZ), P. Offermann (DE), K. Slater (CA); Z. Sukang (CN), N. Starszakowna (GB), G. Stylios (GB), C. Q. Yang (US).
Plenary lecture      | Branko KATALINIĆ: Technical Product as Materilisation of Engineers Idea and Design Strategy of Nature
Editor               | Zvonko Dragčević
ISBN                  | 953-96408-8-1
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Number of Countries Participants came from | 26
Referred / Indexed in | Conference Proceedings Citation Index – Science (CPCI-S), World Textile Abstracts, Textile Technology Digest, Textile Global/Net, Chemical Abstracts

2nd ITC&DC 2004

Date & Place          | October 3-6th 2004, Dubrovnik, Croatia
Under the Auspices   | Ministry of Science, Education and Sport, Zagreb, Croatia; University of Zagreb, Zagreb, Croatia; Ministry of Economy, Labour and Entrepreneurship, Zagreb, Croatia; Croatian Chamber of Economy, Zagreb, Croatia; DAAAM International, Vienna, Austria; AUTEX, Ghent, Belgium; The Textile Institute, Manchester, United Kingdom; The International Textile Academy New Delhi, India; Croatian Academy of Engineering, Zagreb, Croatia; Croatian Society of Chemical Engineers, Zagreb, Croatia
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Plenary lecture
George K. STYLIOS: New Measurement Technologies for Textiles and Clothing

Publication

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Zvonko Dragčević

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University of Zagreb, Faculty of Textile Technology, Zagreb, Croatia

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953-7105-05-9

Authors / Papers
352 / 180

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Selected Papers published in Journals after Conference

Organising Committee

3rd ITC&DC 2006

Date & Place
October 8-11th 2006, Dubrovnik, Croatia

Under the Auspices
Ministry of Science, Education and Sport, Zagreb, Croatia; University of Zagreb, Zagreb, Croatia; Ministry of Economy, Labour and Entrepreneurship, Zagreb, Croatia; Croatian Academy of Engineering, Zagreb, Croatia; DAAAM International, Vienna, Austria; AUTEX, Ghent, Belgium; The Textile Institute, Manchester, United Kingdom; The International Textile Academy New Delhi, India; American Association of Textile Chemists and Colorists, Research Triangle Park, United States of America; Croatian Society of Chemical Engineers, Zagreb, Croatia; International Federation of Knitting Technologists, Reutlingen, Germany; Croatian Chamber of Economy, Zagreb, Croatia; INA Oil Industry, Zagreb, Croatia; City of Dubrovnik, Croatia

Scientific Committee

Plenary lecture
Eckhard SCHOLLMEYER: Nanotechnology for Functionalization of Textile Materials

Publication

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Plenary lecture
Dubravko ROGALE: Research and Development of Article of Clothing with Adaptive Microclimatic States

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Editors
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Authors / Papers
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Selected Papers published in Journals after Conference
Tekstil, 59 (2010) 12, (ISSN 0492-5882)

Organising Committee

6th ITC&DC 2012
Date & Place
October 7-10th 2012, Dubrovnik, Croatia

Under the Auspices
Ministry of Science, Education and Sport, Zagreb, Croatia; University of Zagreb, Zagreb, Croatia; Croatian Academy of Engineering, Zagreb, Croatia; Croatian Chamber of Economy, Zagreb, Croatia; Ministry of Entrepreneurship and Trade, Zagreb, Croatia; DAAAM International, Vienna, Austria; AUTEX, Ghent, Belgium; American Association of Textile Chemists and Colorists, Research Triangle Park, United States of America; ESCORENA Poznan, Poland; International Federation of Knitting Technologists, Reutlingen, Germany; Croatian Society of Chemical Engineers, Zagreb, Croatia; Croatian Association of Textile Engineers, Zagreb, Croatia; International Technical Committee for Textile Care; Croatian Zeolite Association, Zagreb, Croatia; CARNET, Zagreb, Croatia

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Plenary lecture
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