Computing in Civil Engineering

Proceedings of the 2007 International Workshop on Computing in Civil Engineering

Edited by Lucio Soibelman, Ph.D. and Burcu Akinci, Ph.D.

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COMPUTING IN CIVIL ENGINEERING

PROCEEDINGS OF THE 2007 ASCE INTERNATIONAL WORKSHOP ON COMPUTING IN CIVIL ENGINEERING

July 24–27, 2007
Pittsburgh, Pennsylvania

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EDITED BY
Lucio Soibelman, Ph.D.
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Preface

Welcome to the 2007 ASCE International Workshop on Computing in Civil Engineering in Pittsburgh!

It is very nice to get together with friends and colleagues to exchange ideas and build future research collaborations. We have more than 100 outstanding accepted papers for our workshop that allowed us to put together a wonderful set of sessions. This workshop was geared toward professionals and researchers who are interested in computing in a wide range of civil engineering disciplines like sensing, mobile/wearable computing, data modeling, management, and mining, and life-cycle assessment and sustainable infrastructure. The workshop theme on information technology support for advanced infrastructure systems enabled us to receive extremely interesting papers that present new advances in Civil Engineering Information Technology. We are confident that the papers published in these proceedings will instigate a healthy discussion among researchers and will allow us to achieve a higher level of knowledge creating new opportunities for our civil engineering profession.

We would like to thank the large number of collaborators who helped us during the organization of this workshop. First of all we would like to thank the members of the advisory committee: James Garrett Jr., Kincho Law, Ram D. Sriram, and Ian Smith, all members of ASCE-TCCIT_EXCOM (Renate Fruchter, W M Kim Roddis, Ian F.C Smith, Ian Flood, Raymond Issa, and Hanni G. Melhem), and all members of the technical committee for making the organization of this workshop come together. We would specially like to thank Daniel Oliveira for helping us to manage the extensive abstract and paper review process. He chased after all of us to get the reviews, manuscripts, and ASCE forms submissions always with grace and a ready smile.

Many thanks also should go to our Keynote speakers (Steven B. Chase, Dan M. Frangopol, and Edward J. Jaselskis) for gracefully agreeing to participate in our workshop. We sincerely want to thank you all for sharing your work with us.

My thanks also go to ASCE Staff, John Durrant, John Segna, Tenzing Barshee, and Donna Dickert and CMU staff, Nichole Dwyer and Monica S. Wilson for their patience, support, and assistance in making the workshop come together. Equivalently, to our colleagues and friends at Carnegie Mellon University, thanks for your support and understanding. We are so pleased to work with all of you.

Thanks to all of you who submitted, reviewed, and are presenting papers at the workshop; and to those of you that are attending the workshop. You are the reason for this workshop and why it will be a success.

Enjoy everything that the workshop and Pittsburgh has to offer!

Lucio Soibelman and Burcu Akinci
Workshop Co-Chairs, Pittsburgh, PA, May 21, 2007

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