

Summary Report

National Conference on “Advanced Structures, Materials and Methodology in Civil Engineering”

Two days National Conference on “Advanced Structures, Materials and Methodology in Civil Engineering” was organized by Department of Civil Engineering on 3rd and 4th November 2018.

The conference was inaugurated by Prof. L.K. Awasthi, Chief Patron (ASMMCE-2018) and Director, NIT Jalandhar; Prof. Praveen Kumar, Chief Guest (ASMMCE-2018) and Director NIT Delhi; Prof. A.K. Agnihotri, Patron (ASMMCE-2018) and Head of the department, Civil Engineering; Prof. A.P. Singh, Chairman (ASMMCE-2018) and Prof. S.P. Singh, Chairman (ASMMCE-2018) and Organizing Secretaries (Dr. K. Senthil, Dr. Rajiv Kumar, Dr. Rupali, Dr. Amit Kumar) by lighting the lamp at the dais. Prof. A.K. Agnihotri delivered a speech afterwards on the importance of conference and needs in light of sustainable systems and materials.

Afterwards, Prof. L.K. Awasthi deliberated on the conference in the context of rapid expansion of infrastructure, environmental pollution threatening human health and nation's GDP, thrust on smart buildings, low cost housing solutions, eco-friendly housing, rapid growth of road network of India and the existing infrastructure requiring extensive maintenance and wished for the grand success of conference.

The conference opening paper was delivered by Prof. Praveen Kumar on the topic "Intelligent Transport System for India". Additionally, 12 experts from various IIT's, NIT's, DRDO as well as CSIR Laboratories delivered their keynote lectures in the conference.

In total, 107 full length manuscripts were received encompassing wide variety of topics in the field of Civil Engineering. The authors covered the relevant and important topics including advanced problems in mechanics, structural systems, geo-environmental engineering, advances in the highway and foundation problems, materials and computational theory. Overall, 70 authors presented their work during the conference.

The participation from the students/academician was overwhelming. Over 130 participants including students, researchers and faculty members attended the conference. The researchers from various universities including IIT Roorkee, IIT Guwahati, IIT Ropar, IIT Mandi, IIT Dhanbad, CBRI Roorkee, NIT Nagpur, NIT Hamirpur, NIT Kurukshetra, GNDEC Ludhiana, GB Pant University of Technology, Madan Mohan Malaviya University of Technology, Datta Meghe Engineering College Navi Mumbai, Lovely Professional University, Jay Pee University, Chandigarh University and Sandip University Nasik and many more universities and colleges from all over India, participated in the conference.

For the valedictory function, Prof. L.K. Awasthi, Director, NIT Jalandhar; and Prof. A.K. Agnihotri were invited as Chief Guest and Guest of Honour respectively. The performance of the conference was briefly summarized by Dr. K. Senthil and on behalf of organizing committee conveyed the gratitude to all the authors and key note speakers for sharing their valuable research ideas and their experience. While sharing their feedback, the participants also appreciated the technical presentations and hospitality of the institute. Keynote speakers were pleased to deliver lecture in the Institute and they found the whole environment receptive to the technical and research results.

The results for the best paper were assessed and concluded by the selection committee, coordinated by Dr. Rajiv Kumar, Dr. S. Rupali and Dr. Amit Kumar. One best paper in each

field (structures, geotechnical, transportation, environmental and water resources) was selected based on the evaluation by the session chair, manuscript reviewer and, plagiarism report. The awardees were felicitated by Prof. L.K. Awasthi and Prof. A.K. Agnihotri.

While delivering the vote of thanks, Dr. Rupali expressed sincere thanks to Director, Dr. BR Ambedkar National Institute of Technology Jalandhar, for his support and guidance. On behalf of organizing committee, she also expressed gratitude to Prof. A.K. Agnihotri, Prof. A.P. Singh (TEQIP Co-ordinator), Prof. A. Mukhopadhyay (TEQIP Nodal Officer) and TEQIP team, Prof. S.P. Singh (Dean, Planning and Development), the student volunteers and the fellow faculty members.

Special thanks go to Dr. Kanish Kapoor for his extraordinary contribution in organizing the conference. Many thanks are extended to Dr. H.S. Chore, for his continuous support in organizing the conference. The organizing committee is also thankful to Chief Warden (Hostels), and Hostel Wardens (Dr. Nitin Pandhare, Dr. Anee Mohanty) of NIT Jalandhar, for their help during this conference.



