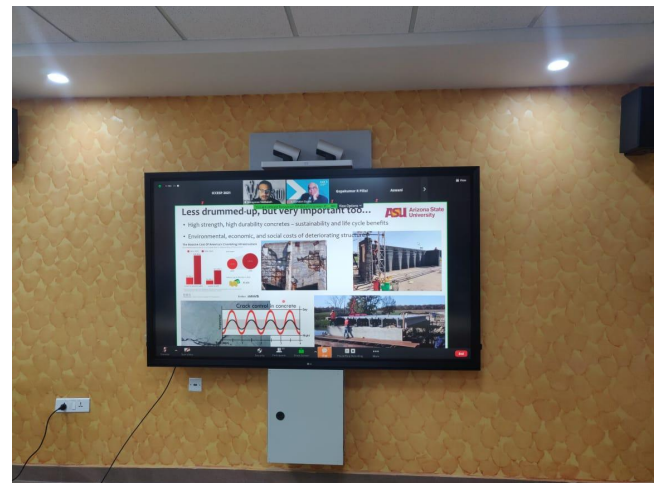
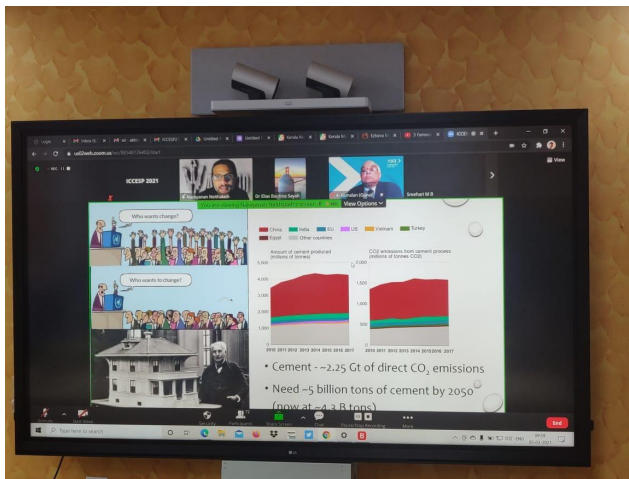


INTERNATIONAL WEB CONFERENCE IN CIVIL ENGINEERING FOR A SUSTAINABLE PLANET (ICCESP-2021)

Date: 05 - 06 March 2021
Venue: Online Zoom Platform
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+914742796213,+919048550123
Email: iccesp2021@gmail.com
Website www.iccesp2021.com



Keynote Address by Dr. Narayanan Neithalath in the virtual platform during the inaugural session

CONFERENCE SUMMARY REPORT

The Inception

The International Web Conference in Civil Engineering for a Sustainable Planet (ICCESP 2021) was organized by Habilete Learning Solutions, Kollam, Kerala, India, in collaboration with the American Society of Civil Engineers (ASCE), TKM College of Engineering, and Baselios Mathews II College of Engineering, Kollam, Kerala, India.

The conference was initiated in August 2020 and an 11 member executive committee was formed from the two colleges along with members from Habilete Learning Solutions. The executive committee identified subject expertise globally, took approval of their willingness to support the conference, and formed an advisory board comprising of 19 members and a scientific committee with 20 members.

The main aim of this conference was to bring together leading academicians, researchers, technocrats, practitioners, and students to exchange and share their experiences and research outputs on all aspects of Civil Engineering. It was also meant to provide a premier interdisciplinary platform to present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered and solutions adopted in the field of Civil Engineering.

The committee finalized five themes that included Sustainable Materials and Structural Systems, Transportation Engineering, Environmental Engineering (including Hydraulics and Water Resources), Building Technology and Construction Management, and Geotechnical Engineering. The conference preparations started with the call for abstracts; 128 abstracts were received out of which 117 were accepted. The next step was the call for papers, and out of 81 papers submitted by authors, 76 were accepted for oral presentations and 68 made its way to the Conference Proceedings.

Selected research papers have been compiled and edited in the form of Conference Proceedings and published by AIJR Publishers. Visibility includes: CrossRef, Google Scholar, Scilit, CORE (UK), OUCI (Ukraine), PKP Index, Microsoft Academic, Semantic Scholar, Dimensions, BASE, OpenAIRE

The conference maintained a high-quality peer-review process for all the manuscripts submitted, starting with a primary evaluation that included a plagiarism check for the original contents. Rejections at this stage had either serious scientific flaws, very poor grammar or were outside the aim and scope of this Conference. Those that met the minimum criteria were passed on to experts in the domain for review. Single-blind review process was employed, where the reviewer remained anonymous to the authors throughout the process. Reviewers were requested to decide on accepting/rejecting the submitted paper, along with suggestions to improve the quality of the paper. After getting the review report, authors were informed of acceptance/rejection.

The Conference Format

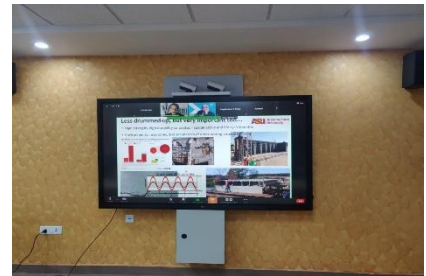
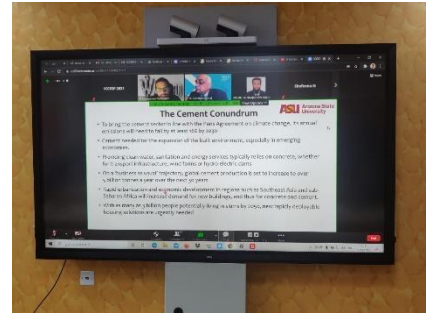
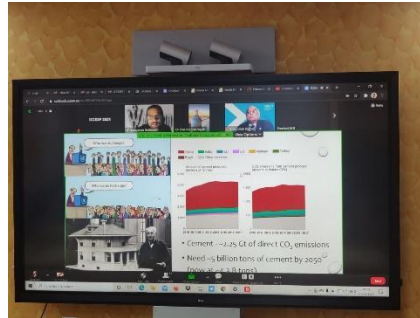
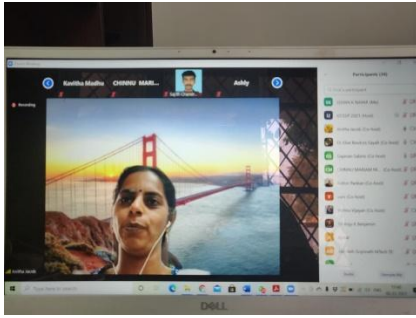


Inaugural Session: Mr. N.K. Premachandran delivering the inaugural address, Felicitation by Dr. Rajasree M. S., Dr. Kancheepuram N. Gunalan and Dr. T.A. Shahul Hameed. Release of the Conference Proceedings by Dr. M. Sirajuddin.

This summary captures the two-day program of presentations and keynote addresses, which took place from the 5th to 6th March 2021 virtually. The event brought together some 160 plus research scholars, members of faculty, students, and key officials nationally and internationally to discuss the recent advances in civil engineering with focus on sustainability. It concluded with a set of presentations of real-world cases describing new and noteworthy initiatives relevant to the conference theme.

The first day of the conference started with an inaugural session with a welcome note and conference overview by Dr. Seema K. Nayar, Chair of ICCESP 2021 and Professor, TKM College of Engineering. This was followed by the Presidential Address by Mr. Bysakh Bhasi, Chairman, Habilete Learning Solutions Pvt. Ltd. The inaugural address was by Mr. N.K. Premachandran, Member of Parliament and Ex-Minister of Water Resources, Government of Kerala. Felicitation were given by Dr. Rajasree M.S., Hon'ble Vice-Chancellor, APJ Abdul Kalam Technological University, Dr. Kancheepuram N. Gunalan, Outgoing President, American Society of Civil Engineers, Dr. Elias B. Sayah, Chief Patron ICCESP 2021 and Director Region 10, American Society of Civil Engineers and Dr. T.A. Shahul Hameed, Principal, TKM College of Engineering. The release of the conference proceedings was carried out by Dr. M. Sirajuddin, Professor and Head of the Department of Civil Engineering, TKM College of Engineering and a vote of thanks was proposed by Prof. Arun Baby Zacharia, Dean (Quality

Assurance), Baselios M Engin - keyn
“Climate and Construction: Chained by Carbon” by Dr. Narayanan Neithalath, Professor, School of Sustainable Engineering and the Built Environment, Arizona State University.



Glimpses of various sessions

The technical sessions followed the inaugural session and the main keynote lecture. The two-day conference comprised of eight technical sessions, some of them scheduled concurrently. The theme, Sustainable Materials and Structural Systems, was divided into four sessions in order to accommodate the large number of presentations. Each session had a Chair and Co-chair, who were experts in the domain. Each author was given 10 minutes for the paper presentation, which was followed by question and answer session for 5 minutes. The conference was structured to foster discussion between participants.

Each theme started with a keynote lecture by an eminent personality in the domain. In the Geotechnical Engineering theme, a Keynote lecture on “Significance of Soil Moisture Content and its Measurement Techniques” was delivered by Dr. Susha Lekshmi, SERB-National Post-Doctoral Fellow at Mechanical Engineering Department, Rural Technology Action Group (RuTAG), Indian Institute of Technology, Delhi. For the theme Sustainable Materials and Structural Systems, a keynote address on “Sustainable Construction - Basic Practice, Strategy, Challenges, Importance, Benefits, and Positive Impact” was delivered by Prof. Rajayogan Palanichami, President, ASCE, India Section. For the theme Building Technology and Construction Management, the keynote lecture was on “How can we change our earth to a better place?” which was delivered by Er. Simon Shim, Principal, Creative Engineering Thinker, Entrepreneur, Newark, New Jersey, United States. The keynote lecture in the theme of Transportation Engineering was on “Technologies for Smart Transportation” and was delivered by Dr. Anusha S.P., Assistant Professor, Department of Civil Engineering, College of Engineering, Trivandrum.

The two-day Conference ended with a valedictory session. The welcome speech in the session was delivered by Mr. S. Nishanth Chakraverthy, President ASCE Student Chapter, TKM College of Engineering. This was followed by a valedictory address by Dr. Gajanan Sabnis, distinguished M. ASCE, Infrastructure Consultant and Emeritus Professor, Howard University, Washington, DC and a special address by Mr. R. Chandrasekharan, International Labour Organization Governing Body Member (ILO-Geneva-Switzerland), Vice President, INTUC and State President INTUC and an address by Dr. Elias B. Sayah, ASCE – Director Region 10. A few delegates gave a feedback on the Conference and the session concluded with a vote of thanks proposed by Prof. Vishnu Vijayan, Head of the Department of Civil Engineering, Baselios Mathews II College of Engineering.



The faculty and student volunteers of the Department of Civil Engineering, TKM College of Engineering with the officials of Habilete Learning Solutions (P) Ltd. at the Valedictory Session of ICCESP 2021



Dr. Sirajuddin, Head of the Department of Civil Engineering receiving the memento appreciating the contributions of the ASCE Student Chapter of TKM College of Engineering from ASCE



On behalf of ASCE and Habilete Learning Solutions (P) Ltd., Dr. Kishore P. hands over a plaque of appreciation to Dr. M. Sirajuddin for the outstanding contributions of the Department of Civil Engineering in ICCESP 2021