

## ***Message from the Secretary General***

### ***The 42<sup>nd</sup> Executive Committee Meeting Hosted by HAKI, March 28-29, 2022***

Summarized by Dr. Udai P. Singh, ACECC Secretary General



We were hoping to participate in the meetings of the 42nd ECM in a hybrid mode, but the pandemic in Indonesia forced us to go virtual again. It has been two and a half years (5 ECMs) since we had meetings in person. The last time we met physically was at the 37th ECM at Goa, India in September 2019; we hope and expect to do so again at the 43rd ECM and CECAR 9 in Goa. HAKI organized the 42nd ECM events on 28th and 29th March, 2022 from Jakarta flawlessly, and we had excellent participation from members. Thank you HAKI!



Engineering New Zealand (ENZ) became ACECC's 16th member. They have been very actively involved with engineers in the Pacific Island countries and extending their interaction with economies further west should be a smooth transition. Welcome ENZ!

We have been on a roll for the last 4 TCCMs, adding a new Technical Committee at each meeting. At this meeting we added TC-29 "Network Construction and Joint Utilization of Large Experimental Facilities" chaired by KSCE. It will be under a different paradigm than previous TCs and will actively involve work in different member economies. We also started looking at updating the guidelines for TCs and hope to complete this discussion at the next TCCM. The Code of Ethics proposed by TC-

17 and discussed at the TCCM will likely be voted on at the next TCCM and ECM. At the FCM, the Finance Committee initiated a task to look into the detailed role of the Finance Committee in the working of ACECC. At the PCM we noted slow and steady progress in implementing tactical actions of ACECC's strategic plan approved at the 40th ECM. It was exciting to see the recommendation of awards made by the Awards Subcommittee Chair, Prof. Luh-Maan Chang of CICHE. One Outstanding Civil Engineering Project award, five Civil Engineering Project awards, four Civil Engineering Achievement awards, and one Technical Committee Activity award were approved. Almost all member societies made nominations, and nominations from 7 member societies were successful in winning awards.



The longest discussion at the PCM and ECM was on CECAR 9. The pandemic is still a concern, though it appears to be diminishing in almost all member economies at this time. In India the latest wave of the pandemic has dissipated, and life appears to be getting back to normal. In fact, I was in India during all of March and participated in the ECM events online from there. I can tell you firsthand that it is safe to visit India now, and hope that conditions will stay unchanged. Also, no travel restrictions from the Indian government for visitors who are fully vaccinated. It was decided at the ECM that CECAR 9 will be held in person as planned, but a few exceptions will be made for people (to participate virtually) who cannot travel to India due to visa or pandemic restrictions by the respective governments. More information will be coming shortly, as I continue to work with the CECAR 9 organizing committee from ICE(I). I was delighted to attend both technical seminars in the afternoon immediately after the ECM: (1) TC-14 Seminar: “Natural and Nature-based Sustainable and Resilient Infrastructure for ACECC Economies”, and (2) Future Leader Forum Seminar: “Sustainability in Civil Engineering Practices from Around Asia”. The diversity and coverage seen in the seminars was tremendous. Also, we had the maximum attendance at the seminars out of all events at the 42nd ECM. We look forward to expanding such technical events at future ECMs. Thank you for your participation in the 42nd ECM and other ACECC activities. I am very much looking forward to seeing you in person at the next ECM and CECAR 9 in Goa, India.

## Message from the EC Chair

Dr. R. M. Vasani

ECM Chair

Institution of Civil Engineers, India (ICE, India)

It gives me immense pleasure to extend my greetings to all the members from various institutions. The efforts made by ACECC host HAKI for successfully organizing the 42<sup>nd</sup> ECM and various seminars through zoom meetings are appreciated.

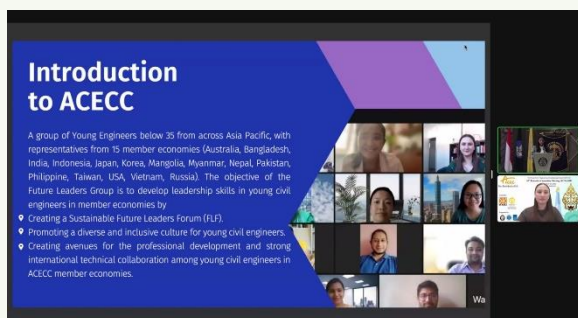
ACECC secretariat is making efforts to extend its activities and has been able to successfully invite applications from Engineering New Zealand.



been

New Zealand is now the 16<sup>th</sup> member of ACECC. A hearty welcome to Mr Williams from New Zealand.

The Financial Committee (FC) is revising the bylaws based on feedback from the members.



FLF has been showing remarkable progress in organizing its various activities, and the

young engineers have made a mark in their level of presentations. The consideration for approval of FLF awards is under progress and shall act as the motivation of Young Engineers.

Creating a new TC from KSCE, “Network Construction and joint utilization of large experimental facilities”, is a step towards Civil Engineering Developments.

CECAR-9, in conjunction with the 43<sup>rd</sup> ECM, is now being organized, in person, in September 2022 in Goa (India). With exceptions for Japan, Korea, Taiwan and Pakistan, who might attend in physical and hybrid mode due to strict travel restrictions in those countries.

LOC has worked hard on finalizing arrangements for CECAR-9 being held in Goa (India) during September 2022.

With this, I thank everyone's valued participation and cooperation. We look forward to meeting everyone in person soon. I also take pleasure in extending my best wishes to all the members and for the grand success of CECAR-9





**HAKI TEAM IN JAKARTA**

### ***Message from the PC Chair***

Dr. Rajinder Ghai

The pandemic has transformed many aspects of our lives. We used technologies and internet in ways that were new and different to us. Global connectivity through technology has shown that international collaboration can be easy.

As the world looks forward hopefully towards an end of the pandemic, this new horizon of communication is likely here to stay. Well, I wish that things are improving world-wide also and hopefully the CECAR9 along with our next ECM would be conducted via in person. Everything will be back soon on track. This time, our safety as a priority, the 36th PCM of 42nd ECM was again held via online mode.

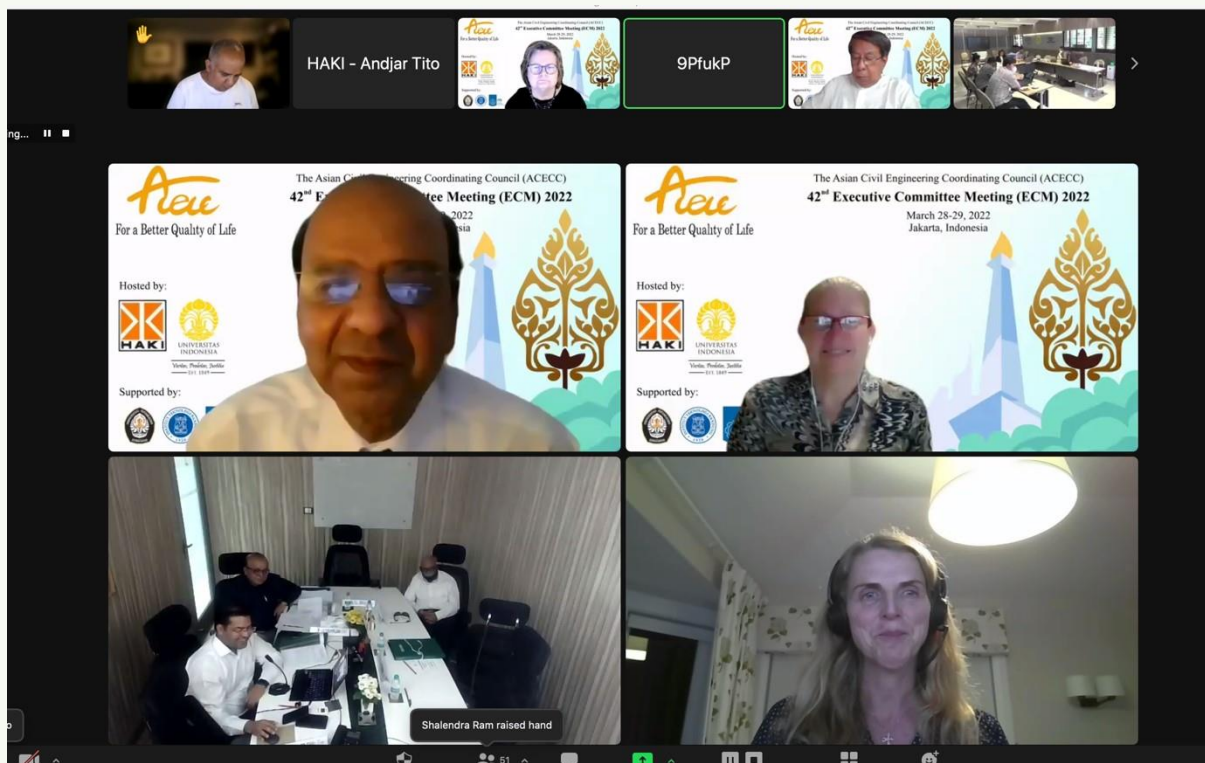
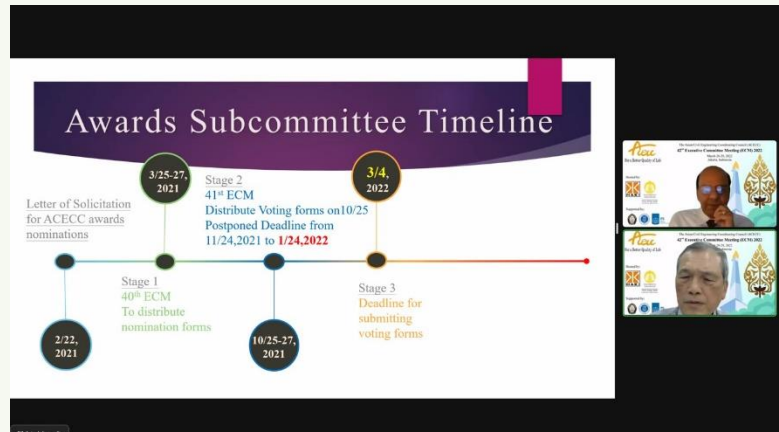


First and foremost, I would like to thank and congratulate Indonesian Society of Civil and Structural Engineers (HAKI) for organising and hosting the 36th Planning Committee Meeting (PCM) of 42nd ECM. The PCM meeting started with a welcome note and our condolences to Late Sh. Prithipal Singh (Chair, LOC) with one minute silence. It commenced with 12 agenda points. A detailed discussion was held to decide these agenda points, mentioned below: -

1. The discussion on implementation of Strategic plan has been made and progress of Goal 1,2,4,5 was reviewed. Goal 3 and 6 has been started.
2. ACECC is approaching the official representatives of Civil Engineering societies from Lebanon and UAE by encouraging them to join ACECC as member. Our fellow representatives from Engineering in New Zealand, Tania Williams and Brett Williams attended this PCM. They have also submitted applications for ACECC membership.
3. Secretary General presented the secretariat reports on ACECC activities, Future Leader Forum (FLF) activities, TC activities, CECAR 9, ACECC website, membership fee and

campaign and other miscellaneous items.

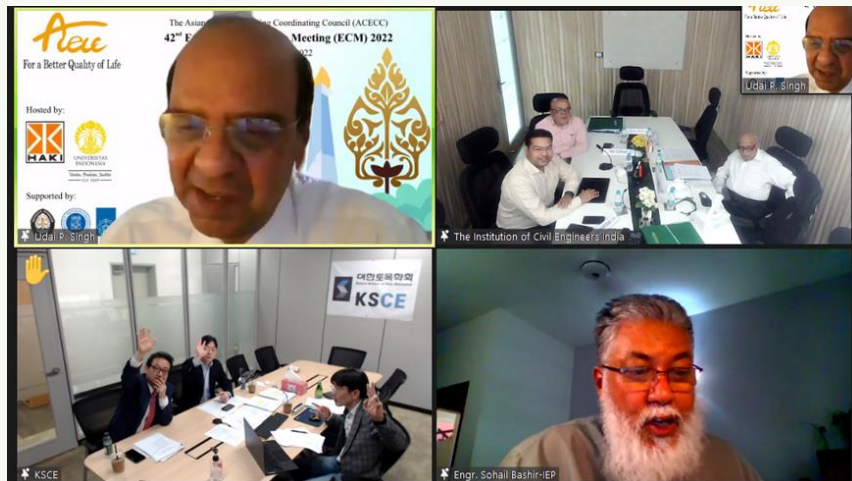
4. Future Leader Council's Chair Dr. Prasanti presented the FLF activity report, activity plans for CECAR 9, FLF program, monthly international seminars and other expected outcomes. The work done by FLF was appreciated by all the members.
5. Dr. Luh-Maan Chang (CICHE), Chair of Subcommittee on ACECC Awards, presented the activity report, followed by voting and recommendations.
6. Prof. T. R. Piplani (Director, CECAR9, ICE, India) and Dr. S. L. Swamy (ICE, India) reviewed and presented the report with the details of collaboration with Industries/Governments, monthly ACECC-CECAR9 team update, CECAR9 outreach, bid adieu to Sh. Prithipal Singh, CECAR9 outreach, collaborative programs with other institutions, Registration, CECAR's delegation segmentation, CECAR9 gateway, NOC, CECAR9 website, CECAR9 curtain raise, Status of CECAR9 papers and exhibitors/sponsors.
7. Rest of agenda items were discussed in ECM due to shortage of time.



## Message from the TCC Chair

Dr. S. D. Sharma

It is a matter of great honor and pride for me to write few lines for this newsletter of the ACECC. As is mentioned in the constitution of the ACECC, Technical Committees are the backbone of the ACECC, I am glad to inform you that presently 11 TCs are in operation 2 more than what I reported in the last Newsletter. It is a heartening news as ACECC Member Societies are trying their best to make sure that the ACECC objectives are achieved. Furthermore, and more Societies are joining the different TCs to share the details of the works being done in their respective countries. TC14 organized seminar during the last ECM which were well received by the participants. The discussions during the TCCM were enriching and I hope more and more Societies will take part in the discussions as well as will be the part of the various TCs. I once again suggest that TCs reports may be suitably documented.



## Message from the 1<sup>st</sup> Deputy Secretary General

Dr. Seunghak Lee

Korean Society of Civil Engineers (KSCE)

First, I would express my sincere gratitude to HAKI for their great efforts to successfully host and organize the 42nd ECM. Thanks to HAKI, we could make another successful record of ECMs operated in on-line mode. As we all know, CECAR is one of the most important ACECC activities which represents who we are and what we are doing within the network of ACECC. In the last ECM, we recognized our concerns on the in-person mode of CECAR9 under this yet-unvanishing threat from COVID-19. We, the ACECC secretariat including two Deputy Secretary Generals and a Secretary General, have been closely working with the chairs of TCM, PCM, ECM, and LOC from ICE(I) for a smooth and efficient operation of CECAR9. Although





we might spend some time to derive the best solution for the meeting, I do believe we will add one more success story to the ACECC history of CECARs this year 2022.

### ***Message from the 2<sup>nd</sup> Deputy Secretary General***

Mr. Shalendra Ram  
The 2<sup>nd</sup> Deputy Secretary General  
Engineers Australia (EA)



The natural disasters (heavy rain and flooding) in addition to COVID-19 restrictions in Australia, meant a dismal start to 2022. Australia is going to Federal (national) government elections on 21st May 2022 and climate change is on the agenda. I would like to thank my nominators as I was privileged and honored to be a recipient of the ACECC Civil Engineering Award 2022. I congratulate three other colleagues who are also receiving the award at CECAR 9. ACECC has progressed well via virtual interactions up to and including the 42nd ECM in late March, that resulted in decisions for TCM and PCM. I interact monthly with ACECC's Secretary General Dr. Udai Singh and Deputy Secretary General Dr. Seunghak Lee and that has been useful in sharing workload amongst ourselves. It was great to see ACECC's Future Leaders Committee (FLC) Chair participate in the March 2022 TCM, PCM and ECM meetings of the ACECC. I continue to collaborate monthly with the Future Leaders Group and the FLC. The FLC will consider participation in Technical Committees and draft a proposal for Future Leaders Award to be considered by the Awards Committee. Their focus on networking and sharing of knowledge through the monthly international seminars and social media is encouraging. We presented updates on implementation of actions from the ACECC Strategic Plan at the 42nd ECM and I presented on the following actions from Goal 4 (Goal Leader): ACECC will advance educational, professional, and ethical standards for civil engineers.

- Tactical Action 4.1.1: Develop code of ethics as a governing document of ACECC.
- Tactical Action 4.2.1: Identify ways to increase women in civil engineering after reviewing current situation and plans already in place.

Australia's neighbour Engineering New Zealand was welcomed as the newest ACECC member. I look forward to communicating and working with the ACECC's Chair TCC, Chair PC, Chair EC, Chair Finance, Chair FLF, Deputy Secretary General and the Secretary General, to ensure ACECC remains relevant to most civil engineers in all ACECC member countries. Stay safe and keep a look out for all health advice regarding COVID.

## ***Future Leaders Forum (FLF)***

### ***Message from the Future Leaders Committee (FLC) Chair***

Dr. Asih/Prasanti Widyasih Sarli

Indonesian Society of Civil and Structural Engineers (HAKI)

In April 2022, the pandemic has extended globally for more than 2 years and even though this has physically brought distance among us, it has also forced us to create connection amidst this distance. The Future Leaders of ACECC was born in this situation. We are a group of people who were first put together in March 2021 and have yet physically met. Yet, for the first year of our tenure, we have proven that distance cannot stop the tide of progress and good intention. After a year of collaboration, we have now together organized 7



International Webinars hosted by different ACECC Member Economies each month (with even more events to come), organized two Future Leaders Forum during the 41st and 42nd ECM and held numerous Future Leaders Meetings where each representative was able to raise issues and discuss topics that are close to our hearts. Within these meetings we have come to propose a new Young Civil Engineer Award for Asia which was warmly welcomed by the ACECC ECM and hence will be further elaborated in the coming months—progress we are all excited about.



As elected Chair of the Future Leaders Committee I cannot be more humbled with the privilege the year has shown me. The Future Leaders was born to promote collaborative work towards the development of sustainable infrastructure within the Asian region. We are expected to lead the way in building a diverse and inclusive culture for young civil engineers. And we are also expected to help create avenues for the professional development of young civil engineers and encourage strong international technical collaboration among ACECC member economies. The list of our duties seemed heavy at first, yet after a year of being part of the Future Leaders, I can say with confidence that it can be done. We have paved the way. Now, more than ever we are excited about what more we can achieve under the ACECC guidance and trust.



## New ACECC Member-Engineering New Zealand- 16<sup>th</sup> Member of ACECC



Since 1914, Engineering New Zealand Te Ao Rangahau has been the professional organisation for New Zealand's engineers. Membership is open to engineers from all disciplines who hold Washington Accord, Sydney Accord and Dublin Accord degrees, as well as to engineering technicians, engineering technologists, and engineering geologists.

As a professional organisation, Engineering New Zealand's ambitions are to be:

- Credible, so New Zealanders have trust and confidence in engineers and the work they do
- Connected, so engineers join to share knowledge, skills and support, both here and abroad
- Influential, so engineers' voice informs and shapes the public agenda
- Recognised, so engineers are celebrated for the fundamental contribution they make to society
- Thriving, so members belong to a supportive community that makes them feel valued.

Ensuring New Zealand has quality engineering is a key to our existence, and we support our 22,000 members to be the best engineers they can be. Our 27 technical groups and societies help us develop focused and practical technical information like guidelines and practice notes. We also work with the New Zealand Government, which regulates building and transport systems, to advocate the latest technical knowledge be included in regulatory updates. New Zealand also has many local authorities that consent new buildings and infrastructure, and we have worked with them to standardise and strengthen consenting processes.

Our Chartered Professional Engineer (CPEng) is a competency-assessed quality mark, and many local bodies and firms place value on CPEng as a reliable and trusted standard for general engineering. Continuing professional development is a requirement for all members and CPEng

engineers, and we provide many learning opportunities and networking events for members and CPEng engineers.

**WE'RE BRINGING ENGINEERING TO LIFE - SO WE CAN ENGINEER BETTER LIVES FOR NEW ZEALANDERS.**

**OUR AMBITIONS**  
We strive for Engineering New Zealand and our members to be:

<b>CREDIBLE.</b> New Zealanders have trust and confidence in engineers and the work they do.	<b>CONNECTED.</b> Engineers join together to share knowledge, skills and support, both here and abroad.	<b>INFLUENTIAL.</b> Engineers' voice informs and shapes the public agenda.	<b>RECOGNISED.</b> Engineers are celebrated for the fundamental contribution they make to society.	<b>THRIVING.</b> Our members belong to a supportive community that makes them feel valued.
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**OUR GOALS :: 2020-2025**  
Our priorities for the next five years:

<b>1</b> <b>We are engineers' preferred career partner.</b> We provide engineers with tailored support throughout their career.	<b>2</b> <b>Chartership is the quality mark for all engineers.</b> We establish a single quality mark that's relevant for all engineering professionals and is widely recognised.	<b>3</b> <b>We raise the bar across the profession.</b> We strive for better engineering outcomes to build trust and confidence from Government and New Zealanders.	<b>4</b> <b>Our digital systems are integrated, intuitive and enabling.</b> We use technology to support our goals and deliver outstanding customer service.
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## ***The Future***

### ***Occupational regulation***

Engineering New Zealand regulates engineers who are members or CPEng engineers, and this includes complaints and disciplinary functions. However, currently there is no legal requirement for engineers to be members or chartered. In March 2022, the New Zealand Government agreed to a new regulatory regime whereby all engineers must be registered, and those working in high-risk disciplines must also be licensed to assure competency. Engineers will also be given protection of title. The transition to a new regime will take until 2030 and there are many details to work through. However, it is Engineering New Zealand's view that this as a very positive development. We believe the reforms will raise professionalism overall, provide better assurance to the public that engineers are competent in their area, and enable all engineers to be held to account when things go wrong.

### ***Climate change***

As for many countries, responding to climate change is of immediate concern and New Zealand is no different, having committed to reaching carbon net zero by 2050. We know engineers will need to help lead the transition to a net zero future, but until now they often have been unsure of their role, or how they can navigate client demands and designing and delivering less carbon intensive projects. Engineering Climate Action (<https://www.engineeringnz.org/programmes/engineering-climate-action/>) is our program to help all New Zealand Engineers respond to support engineers to take positive action to address climate change through mitigation, transition and adaptation.

### ***Labour and materials***

New Zealand continues to experience skills shortages for engineers, and supply chains are challenge for many engineering firms now given global events.

We look forward to participating in ACECC and sharing our experiences.

Find out more about us at [engineeringnz.org](https://www.engineeringnz.org)

## ***Report on the Preparation for CECAR9 (September 21-23, 2022) in Goa, India***

Prof. T. R. Piplani  
CECAR9 LOC Chair / Director CECAR9  
Institution of Civil Engineers, India (ICE, India)



Our Biggest Strength Lies in Passion, Innovation, Commitment and Collaboration contributing towards our shared future.

This justifies the ACECC's vision to promote and advance the science and practice of civil engineering and related professions for sustainable development in the Asian region/worldwide.

*To achieve its objectives, international conferences called the "Civil Engineering Conference in the*

*Asian Region (CECAR)” are being held on triennial basis, as the min activity of the ACECC.*

Before we kickoff we would like to express our deep condolence for the untimely shock and sadness, we are experiencing due to the demise of the Secretary General, ICE(I) and CECAR9 LOC Chair, Mr. Prithipal Singh. He will remain in our thoughts and prayers.

We are all gearing up enthusiastically for the ensuing CECAR9, taking place first time in India. This conference infrastructure community will be a platform to inspire and engage the engineering and across India and globally. A marriage between innovation and technology that fosters critical and design thinking will be an important outcome in unearthing the possibilities for sustainable development. Our efforts towards channelizing more resources for research and environmentally friendly engineering solutions will need an ecosystem to sustain them and require the best and brightest minds to steer the sails.

For more info please log in to [www.cec9.com](http://www.cec9.com).



CECARs have become some of the most influential high-level global gatherings which bring together Governments, International Organizations, and the Business Community to offer solutions to global challenges. World leaders, influencers, celebrities from diverse fields and corporate leaders will grace the International Conference CECAR9 and engage in dialogue with the rest of the world through a number of leadership engagements, business development and investment opportunities, G@G, G@B and T@T, etc.

In order to review the CECAR9 preparations, various monthly ACECC-CECAR9 Team meetings with the ACECC Leadership were held. The CECAR9 initiatives were briefed beside the challenges and road map were also discussed. We are continuously sharing the progress reports on the preparation of CECAR9 in the various ECMs to update all the member economies and also seeking their active cooperation to success to make CECAR9 a grand success.



**TAJ RESORT & CONFERENCE CENTER, GOA**



The review process of the full papers submitted has been completed, more or less, as scheduled. Accordingly, this will be reflected in the time frame during the various sessions of the CECAR9.

CECAR9 outreach: - Dr. S.L. Swamy, Chairman, ICE(I) addressed the inaugural function as Guest of Honour, wherein he spotlighted CECAR9. CECAR9 has earned the Certificate of Appreciation at ICSMC 2021.

An article by the Director, CECAR9 on “Sustainable Infrastructure – A Path for the Future” was published in December, 2021 and republished in January, 2022 in the leading University News- A Weekly Journal of Higher Education published by AIU.

Director, CECAR9 as an Expert Speaker at the webinar on “Sustainable Built form and Community Building”, organized by the SGI School of Architecture, Bhubaneswar, highlighted CECAR9 in October, 2021.

As a part of CECAR9 Curtain Raiser, Director CECAR9 took an exclusive interview of Lt Gen Rajeev Chaudhry, VSM, Director General, Border Roads and Colonel Commandant, Border Roads Organization during February, 2022. The same is available for public viewing at the CECAR9 YouTube Channel - <https://youtu.be/cValaOAYZEK>. All member societies of ACECC are requested to upload the same on their respective official websites for wider outreach and publicity.

As agreed during our leadership consultations, the Early Bird Registration date has been extended till April 30, 2022. It is requested to extend your cooperation by registering in large numbers.

As the world regains the momentum by overcoming the challenges, induced by the pandemic, infrastructure sector remains one of our top priorities. CECAR9 comes as a panacea for the transformational change for the infrastructure community. In order to position it on a global platform we must strive to encourage maximum participation of exhibitors, sponsors and delegates from your respective countries to make CECAR9 a mega event.

Our local organizing team at ICE(I) is available round the clock to support you towards making CECAR9 a grand success. We are in together and we can!

Stay Blessed, Stay Grateful!

**Eager to WELCOME you all in Person at CECAR9!**

## Results of ACECC Awards 2022

Luh-Mann Chang,  
Chair of Awards Subcommittee, ACECC  
Chinese Institute of Civil and Hydraulic Engineering (CICHE)



As the Chair of Awards Subcommittee, it is my great honor to report to you the final results of ACECC Awards 2022. The selected awardees are as follows:

### A. ACECC Civil Engineering Project Awards:

#### 1. Outstanding Civil Engineering Project Award

SUHUA Highway Improvement Project nominated by CICHE.

2. The other 5 Civil Engineering Awards are nominated by JSCE, KSCE, ICE(I), HAKI, and PICE. The results are summarized into the following table,

ACECC Civil Engineering Project Awards	
1	Outstanding Project Award---SUHUA Highway Improvement Project nominated by CICHE
2	Aso Ohashi Bridge Area Slope Disaster Reconstruction Project Executed by way of an Unmanned Construction Method Using i-Construction nominated by JSCE
3	AI Faw Breakwater in Iraq nominated by KSCE
4	Atal Tunnel, Rohtang nominated by ICE India
5	Development of Light Rail Transit Infrastructure in Jakarta, Bogor, Depok and Bekasi (LRT Jabodebek) nominated by HAKI
6	Ninoy Aquino International Airport Expressway (NAIAX) nominated by PICE

### B. ACECC Civil Engineering Achievement Awards:

- 1.Osama Kusakabe nominated by JSCE
- 2.Wei-Fuu Yang nominated by CICHE
- 3.Shalendra Ram nominated by EA
- 4.Ir. Teddy Boen nominated by HAKI

### C.ACECC Technical Committee Activity Award:

TC -21 Transdisciplinary Approach (TDA) for building Societal Resilience to Disasters  
(nominated by JSCE)

Congratulations to all the awardees. I am looking forward to seeing you and celebrating with you at the Award Ceremony on September 22, 2022 at CECAR9.

## ACECC Event Calendar

Date	Name of Event	Venue
Jun. 21, 2022	RSCE Annual Conference	Moscow, Russia
Jun. 23-24, 2022	MACE Annual Conference	Ulaanbaatar, Mongolia
Sept. 14-16, 2022	JSCE Annual Conference	Kyoto, Japan
Sept. 20, 2022	ACECC's 43 <sup>rd</sup> ECM	Goa, India
<b>Sept. 21-23, 2022</b>	<b>9<sup>th</sup> <u>Civil Engineering Conference in the Asian Region, CECAR9</u></b>	<b>Goa, India</b>
Oct. 19-21, 2022	KSCE Annual Convention	Busan, Korea
Oct. 23-27, 2022	ASCE Annual Convention	Anaheim, California, USA
Nov. 2022	Engineers Australia Annual Conference	Sydney, Australia
Nov. 25-26, 2022 (tentative)	PICE National Convention	Metro Manila, Philippines
Dec. 3, 2022	CICHE Annual Meeting and Conference	Kaohsiung, Taiwan



### THE ASIAN CIVIL ENGINEERING COORDINATING COUNCIL

ACECC website: <http://www.acecc-world.org/>

**Chairman:**

Dr. R M Vasan., Institution of Civil Engineers, India

**Secretary General:**

Dr. Udai P. Singh, D.Engr., American Society of Civil Engineers

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