



CICI Industrial Advisory Board (IAB)

Fall Virtual Meetings
December 2 and 4, 2020
11:00AM to 1:00PM CDT
(12:00PM to 2:00PM EDT)



UNIVERSITY
OF MIAMI



**TEXAS A&M ENGINEERING
EXPERIMENT STATION**

NC STATE UNIVERSITY





OBJECTIVE

- Provide updates on the research agenda and discuss future collaborative projects for the Center for the Integration of Composites into Infrastructure (CICI);

CENTER PARTICIPANTS

Texas A & M University (TAMU) (Lead)

Dr. Anand Puppala, Center Director
Dr. Surya Congress, Managing Director
Dr. Sayantan Chakraborty

West Virginia University (WVU)

Dr. Hota GangaRao, Site Director
Dr. Rakesh Gupta, Site Director
Dr. Ruifeng Liang,
Dr. Yoojung Yoon
Mr. Mark Skidmore, PE

University of Miami (UM)

Dr. Antonio Nanni, Site Director
Dr. Francisco De Caso y Basalo

North Carolina State University (NCSU)

Dr. Rudi Seracino, Site Director
Dr. Greg Lucier
Dr. Jason Patrick
Dr. Kara Peters
Dr. Mark Pankow

National Science Foundation (NSF)

Dr. Prakash Balan, Program Director
Mr. Stephen McGregor, Evaluator

Industry Advisory Board (IAB)

Dr. Vijaya Gopu, Chair
Mr. Dustin Troutman, Past Chair

Join Zoom Meeting

<https://tamu.zoom.us/j/91622713417>

Meeting ID: 916 2271 3417

Find your local number: <https://tamu.zoom.us/u/ad9VwOQ0RA>

Complete LIFE Form

Website: iucrc.com

Password: CICI2020

Contact: Dr Surya Congress, congress@tamu.edu; Dr Ray Liang, rliang@wvu.edu;



Wednesday, December 2, 2020

11:00 AM – 1:00 PM CDT

<https://tamu.zoom.us/j/91622713417>

Agenda

Participants are requested to type in their self-introductions in the chat box

11:00 AM - Greetings from Center Director, Dr. Anand Puppala, Host at TAMU

11:02 AM - Brief Presentation on LIFE Form, Mr. Steve McGregor, Center Evaluator

11:12 AM - Technical Presentations (Table 1)

- Each presentation is 5~6 min long
- Pause for 1 minute for LIFE form completion
- Each university has a total presentation time up to 26 minutes
- Please present questions in LIFE form
- All questions are to be answered/addressed on December 4 Meeting
- Titles and other details of presentation are provided in Table 1

11:12 AM - TAMU # 1 – 4 – Drs. Puppala and Congress

11:38 AM - WVU # 5 – 8 – Drs. Gangarao and Liang

12:04 PM - UM # 9 – 12 – Drs. Nanni and De Caso

12:30 PM - NCSU # 13 – 16 – Dr. Seracino

12:56 PM - Closing and announcement for December 4 Meeting

1: 00 PM - Adjourn

Table 1. Technical Presentations at December 2 Virtual IAB Meeting

#	Time & Thrust Area*	Title	Presenter
	11:12 AM (26 minutes)	TAMU Site; <i>Session Chair:</i> Anand Puppala	
1	A	Application of Geofoam in Thermal Encapsulation of Foundations	Surya S. C. Congress
2	C & D	Design and Testing of IFI Geosynthetic Products	Anand Puppala/ Ashraf Khan
3	C	Performance of Pavement Sections with Wicking Geosynthetics	Anand Puppala/ Nripojoyoti Biswas
4	A & B	Mitigating Sulfate Heaving Using Novel Soil Stabilizers	Sayantana Chakraborty
	11:38 AM (26 minutes)	WVU Site; <i>Session Chair:</i> Hota Gangarao	
5	B & C	Timber pile rehab with FRP composite wraps	Mark Skidmore
6	C & D	Development of sheet pile wall test procedure	Mark Skidmore
7		Responses of FRP utility poles under wildfires	Ray Liang
8		Thermo-mechanical responses of FRP composite jacketing for tank cars under impact and fire	Rakesh Gupta
	12:04 (26 minutes)	University of Miami Site; <i>Session Chair:</i> Antonio Nanni	
9	A	Physio-Mechanical Characterization of Composites for Infrastructure Applications	Francisco De Caso
10	B	Determining the Durability of Composites for Infrastructure Applications	Francisco De Caso
11	C	Implementation of Composites Solutions Through Experimental Testing and Design	Francisco De Caso
12	D	Propelling the use of FRP Composites with Meaningful Codes and Guidelines	Antonio Nanni
	12:30 PM (26 minutes)	NCSU Site; <i>Session Chair:</i> Rudi Seracino	
13	C & D	Prestressed MF-FRP Repair of Deteriorated Prestressed Concrete Bridge Beams	Sheng-Hsuan (Mike) Lin
14	C	Repair of Precast Concrete Dapped End Beams	Mohammad Qambar
15	C	Repair of Deteriorated Timber Piles	Greg Lucier
16	B & C	Creep of Precast Concrete Sandwich Panels with CFRP Wythe Connectors	Greg Lucier

*Note on Thrust Areas Designations:

A - Materials Development and Characterization, Manufacturing, Recycling; B- Durability and Aging; C - Design Implementation and Evaluation; D - Codes, Specifications and Guide



Friday, December 4

11:00AM – 1:00PM CDT

<https://tamu.zoom.us/j/91622713417>

Agenda

Participants are requested to type in their self-introductions in the chat box

11:00 AM - Welcoming remarks and center status update, Dr. Puppala

- IAB Status Update

11:10 AM - LIFE Form based Question/Answers, Mr. Steve McGregor, Center Evaluator

12:00 PM – Virtual Breakout Session: IAB Close Door Workshop, Dr. VJ Gopu, IAB Chair
and other participants enter separate breakout room in Zoom

- How IAB Member Industries Coping with COVID Crisis? Continuing Discussion....Dr. VJ Gopu, IAB Chair
- NSF Survey, Mr. Steve McGregor, Center Evaluator

12:45 PM – Transition to leadership rotation

Future conference

IAB Vice Chair

Closing remarks, Drs. Gopu, Puppala, and Gangarao

1:00 PM - Adjourn