2024 IEEE R10 Meeting
Date: 2-3 February 2024

2024 R10 AdHoc on Climate Change and Sustainability

Shaikh Fattah
Chair, R10 AdHoc on Climate Change and Sustainability

R10 Adhoc Committee on Climate Change & Sustainability

Dr. Shaikh Fattah
Professor, EEE, BUET
Bangladesh
(Chair)

Parkash Lohana
Assoc. Professor
UITU, Pakistan
(Member)

Ambarish Natu
Chair, IEEE Australian
Capital Territory Section
(Member)

Dr. Nirmal Nair
Assoc. Professor
U of Auckland, New Zealand
(Member)

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Dr. Shaikh Fattah, Chair, IEEE R10 Adhoc on Climate Change

Interactive Training on Climate Change

Designed and conducted interactive training on climate change
Physical Training Sessions & Booth: R10-HTC, IEEE TENCON
Virtual Training Session: Section nominated students

Dr. Shaikh Fattah, Chair, IEEE R10 Adhoc on Climate Change

Technical Talks, Panel Session on Climate Change

Online Technical talk: IEEE President Saifur Rahman
Online Panel: Shay Bahramirad, PES President-Elect, H.L. Bajaj, Past R10 Director
Physical Panel Session: IEEE TENSYMP
Physical Climate Change Booth: IEEE TENCON

Dr. Shaikh Fattah, Chair, IEEE R10 Adhoc on Climate Change

Training/Reading Material on Climate Sustainability

Objective: Enhance awareness/understanding on climate sustainability

Description: Prepare training/reading materials on climate change causes, effects, mitigation, adaptation. New two modules will include

- ❖ Sustainable technology, transportation, computing, IOT
- ❖ Renewable energy integration, green H_2, net-zero, decarbonization
- ❖ Energy management, energy storage, smart grids, resilience,
- ❖ Circular economy (reuse, recycling), water conservation

Deliverables: Presentation slides, brainstorming tasks, interactive sources, reading resources, quizzes

Timeline: Two modules to be prepared in Q1-Q2

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Knowledge Sharing Platform: Tech-talk/Expert-panel

Objective: Offer knowledge sharing platform through a series of technical talks and expert panels

▶ **Description:** Organize technical talks and expert panels involving relevant IEEE societies, policy makers, organizations

▶ **Deliverables:** Six technical talks/panels involving experts and IEEE societies.

▶ **Timeline:** Q1-Q2: 3 talks, Q3-Q4: 3 talks

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Train-the-Trainer at R10 Conferences

Objective: Capacity building

▶ **Description:** Organize interactive training sessions (3 Hours). Participants will learn and share ideas.

▶ Target participants: conference attendees (authors, speakers), local SB members, YP and WIE.

▶ **Budget:** $ 5000 (Venue, food, trainer's travel)

▶ **Deliverables:** Three physical training sessions in TENSYMP, R10-HTC, TENCON, 2 online training sessions.

▶ **Timeline:** Online in Q1-Q2. Physical in Q3-Q4.

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R10 Grand Challenge on Climate Actions

Objective: Collecting information of local climate actions in R10

▶ **Description:**

❖ **Preliminary Round (Section Level Activities):**

Online Training on Climate Sustainability: Section will organize

Online Report on Climate Actions: Student branches will submit (Local climate risks, visible climate actions, potential future actions)

❖ **Final Round of Grand Challenge in R10 SYWL Congress:**

Selected presentations with brainstorming Q/A at R10 SYWL Congress

▶ **Budget:** $ 5000 (Venue, food, trainer's travel, prize money)

▶ **Deliverables:** Climate actions and future plans in R10

▶ **Timeline:** Preliminary round in Q1-Q2, final in R10 SYWLC

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