

Joint QuakeCoRE IP4 and ISGT Asia 2023 Technology Megatrends Workshop to Seismic Resilience

21 November 2023, Waipapa Taumata Rau- University of Auckland

Registration Details:

[Joint QuakeCoRE IP4 and IEEE ISGT-ASIA 2023 Technology Workshop to Seismic Resilience, 21 November 2023, 10am](#)|Eventbrite

Program:

The workshop runs from 10am through 4pm, held alongside [IEEE ISGT-ASIA 2023](#) (In-person, open to ISGT-ASIA 2023 attendees).

Date and time

Tuesday, 21 November 2023 · 10am - 4pm NZDT

Location

- Science center, 303-G15, 23 Symonds Street, City Campus

About this event

9:30am to 10:00 am **Welcome and Opening with morning tea**

10:00am to 10:30am **Overview and Updates of IP4**

1. Overview of IP4 - Assoc. Prof. Nirmal Nair
2. Brief updates of IP4's Yearly activities, progress and updates

10:30am to 12:00pm **Panel session: Renewable Distributed Energies and Electric Autonomous Transportation to seismic resilience**

- Extended Morlet Wavelet-Based FIR Phasor Estimation Using Fake Samples – Ph. D Xin Liu ([PDF](#))
- Integrated telecommunications and electricity assessments for response to natural disasters – Ph. D Eric Sauvage ([PDF](#))
- Grid Integration of E-mobility in a wireless way – Dr. Yuan Liu ([PDF](#))

12:00pm to 13:30pm **Lunch**

13:30pm to 15:00pm **Panel session: Technologies of Smart Cities and Real-Time Sensing to seismic resilience**

- Machine learning and artificial intelligence for hazard resilience -- Assoc. Prof Kevin I-Kai Wang
- Social Human-Robot Interaction Resilience -- Dr. Ho Seok ([PDF](#))
- Automated and Data-driven Infrastructure Management Using Emerging Technologies – Dr. Yang Zou ([PDF](#))

15:00pm to 15:15pm **Afternoon tea**

15:15pm to 15:45pm **General discussion and close of this workshop**

- Plans for the year 2024.
- Strategy for attracting applications for 2024 IP4 masters and PhD applicants.
- Industry engagement for IP4 projects (2024-25)
- Inviting new researchers to IP4 from and upgrading to AI

16:00 - 19:00 **Join ISGT Asia 2023 opening session and Wonder Project evening with Welcome Drinks** <https://ieee-isgt-asia.org/>