LEOCONN 2022

Tutorial on Low-Earth Orbit (LEO) satellite networks

What is the hype about?

- Significantly lower launch costs; many more missions per year
- Low-Earth Orbits getting crowded – tens of thousands of satellites!
  - Broadband connectivity, satellite imagery, IoT
  - Many players
- LEO broadband
  - Global coverage, high bandwidth, low latency
  - Important for network vendors, cloud and content companies, Telcos & terrestrial ISPs, and government agencies.

4 sessions

Detailed program: https://leoconn2022.github.io

LEO challenges	• Ulrich Speidel (Senior Lecturer, Univ. of Auckland, NZ)
LEO Emulators and simulators	• Mohamed Kassem (Research Fellow, Univ. of Surrey, UK) • Debopam Bhattacherjee (Senior Researcher, Microsoft Research, India)
Real deployments: research platform, IoT in space	• Shangguang Wang (Professor, BUPT, China) • Tusher Chakraborty (Research SDE, Microsoft Research, US)
LEO Edge	• Bradley Denby (PhD candidate, CMU, US) • Tobias Pfandzelter (PhD candidate, TU Berlin & Einstein Center Digital Future, Germany)

Co-organizers

- Debopam Bhattacherjee
  - Senior Researcher, Microsoft Research, India
- Mohamed Kassem
  - Research Fellow, Univ. of Surrey, UK

- Web site developed & maintained by
  - Abdullahi Abubakar, Univ. of Surrey, UK
- Event volunteer
  - Marium Malik, UNSW, AU

LEOCONN 2021 (virtual 2-day webinar)

- 38 countries
- 150+ industry participants
- 30+ top executives
- 100+ from top 50 universities
- 10 govt. space agencies

LEOCONN 2022 @ MobiCom

We should keep this going!

LEOCONN Webinar Series coming soon!

- Bringing academia and industry closer
- Webinar every 2 months: typically, 1-3 speakers
- First session: mid-Dec'22
- Speakers for the first session:
  - Deepak Vasisht, Professor, UIUC
  - Maurizio Vanotti, VP, New Markets, OneWeb

- Subscribe to LEOCONN mailing list for announcements and updates!
  - Visit https://aka.ms/subscribe_LEOCONN and fill up a short form.