

IEEE WIRELESS COMMUNICATIONS AND NETWORKING CONFERENCE

10-13 April 2022 // Austin, TX, USA

WELCOME TO WCNC 2022

IEEE WCNC 2022 celebrates its 23rd anniversary as the world's premier wireless event, to be held for the first time in Austin! Planned as an in-person conference with virtual features, this event will bring together researchers, academics, industry professionals and government.

The theme of the conference is ***"Boosting Verticals into the Wireless Orbit"***.

In 2022 the wireless industry will be two-plus years into 5G commercialization. Numerous vertical markets are emerging, taking advantage of the advanced wireless connectivity enabled by the 5G standard. In the years to come, many applications in these markets will be mission critical, and will rely on ultra-reliable, very high bandwidth, networks. Artificial Intelligence and Machine Learning will have important roles.

WCNC 2022's compelling program will highlight:

- Recent advances in wireless technologies, networks, and use-cases
- High performance / Quantum computing and applications
- Machine Learning & Artificial Intelligence applications
- Edge-based computing models and use-cases
- Advancements and use-cases Network softwarization and virtualization
- Issues related to standards and regulatory challenges
- Security, resilience and privacy challenges and advancements
- Environmental impacts of new technologies



**SCAN QR
CODE FOR
MORE
INFO**

KEYNOTE SPEAKERS



Peiying Zhu
Huawei



Gerhard P. Fettweis
TU Dresden



John E. Smee
Qualcomm Technologies Inc.



Li Tian
ZTE Corporation



Geng Wu
Intel Corporation

wcnc2022.ieee-wcnc.org

CONFERENCE INFORMATION

VISIT AUSTIN

**City of Austin Proclaims
10-13 April 2022 to be
IEEE WEEK!**



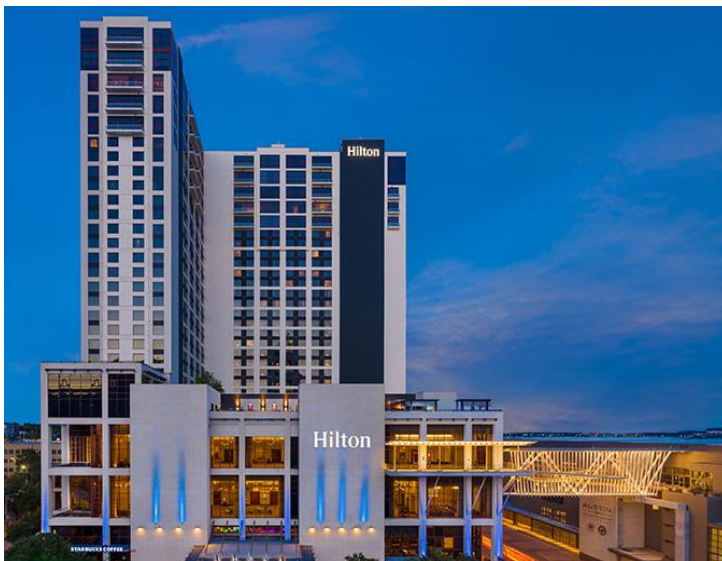
Steve Adler
City of Austin Mayor

Known as a high-tech global capital in the central United States, Austin is headquarters to companies such as National Instruments, Dell, Tesla, Oracle, and many others.

With a common connection to advancing technology and research, **City of Austin Mayor Steve Adler** welcomes **2022 IEEE WCNC** and proclaims the conference dates to be **IEEE Week!** For more information about Austin, visit www.visitAustin.org

VENUE

WCNC 2022 will be held at the Hilton Hotel in vibrant, downtown Austin. Enjoy the bustling nightlife on Rainey Street and 6th Street, flavorful dining, live music venues, and outdoor adventures on Lady Bird Lake. Book your stay through the conference website!



PROGRAM HIGHLIGHTS

WCNC 2022 is a 4-days program with Tutorials & Workshops on Day 1, followed by 3 days of a multi-track conference that includes Technical & Industry program, welcoming reception, banquet, and many networking opportunities.

The Technical Program includes paper presentations on advanced technical research organized into four tracks:

Track 1: Physical Layer and Communication Theory

Track 2: Networking and MAC

Track 3: Machine Learning and Optimization for Wireless Systems

Track 4: Emerging Technologies, Standards, and Applications

Industry Program components include:

- **Dialog with Industry Leaders** sharing their vision, experiences, challenges and best of practices.
- **Executive forums** addressing strategy, positioning and operational challenges in diverse domains
- **Keynote speakers** by visionary/impactful leaders sharing their detailed vision, positioning and direction.
- **Panels** (combined industry practitioners and technical researchers) address next level of details from architecture to implementation & operations in diverse domains.
- **Special sessions** such as Start-Ups Pitch contest, Young Professionals, Women in Comm. Eng., and others
- **Exhibits showcase** of technology advancement and networking opportunities

SPONSORSHIP OPPORTUNITIES AVAILABLE

Become a Patron of this exciting conference where prestigious commitment includes a choice of keynote presentation, exhibit space, and conference passes, other opportunities.