


WORKSHOP
— ON —
SYNCHRONIZATION
— AND —
TIMING SYSTEMS

Virtual Webinar Series
Session 1
5G and Smart Cities
May 6, 2020

Sponsored by:  **MICROCHIP**

atis 

5G and Smart Cities Overview

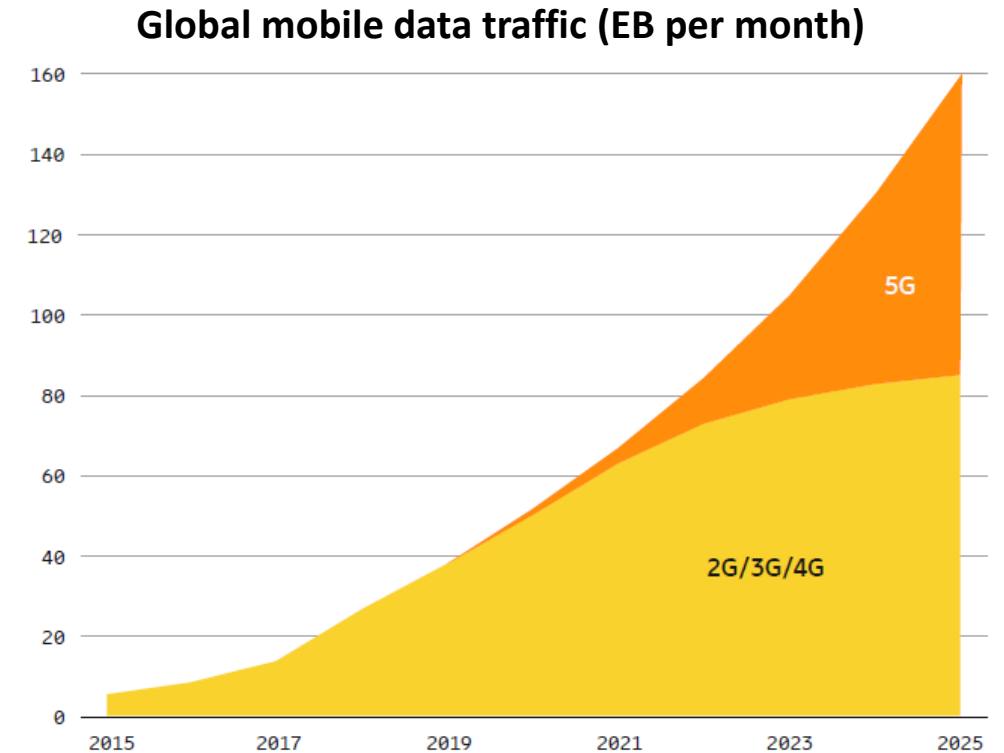


Stefano Ruffini
Expert Ericsson Research
Ericsson

WORKSHOP
ON
SYNCHRONIZATION
AND
TIMING SYSTEMS

- The vWSTS webinar series is being held in place of the annual face-to-face WSTS.
- Today's webinar is the first in a series of three:
 - **May 6** – 5G and Smart Cities
 - **May 13** – Timing in Finance, Electric Power and Broadcast
 - **May 20** – Timing Security, Resilience and GNSS Issues
- Thank you to today's speakers, as well as Microchip Technology for sponsoring this webinar.
- Attendees will receive an email with the slides and a link to the recording shortly following today's broadcast.
- There are two Q&A sessions during this webinar.
 - Submit questions at any time using the question tab on the control panel located on the right side of your screen.

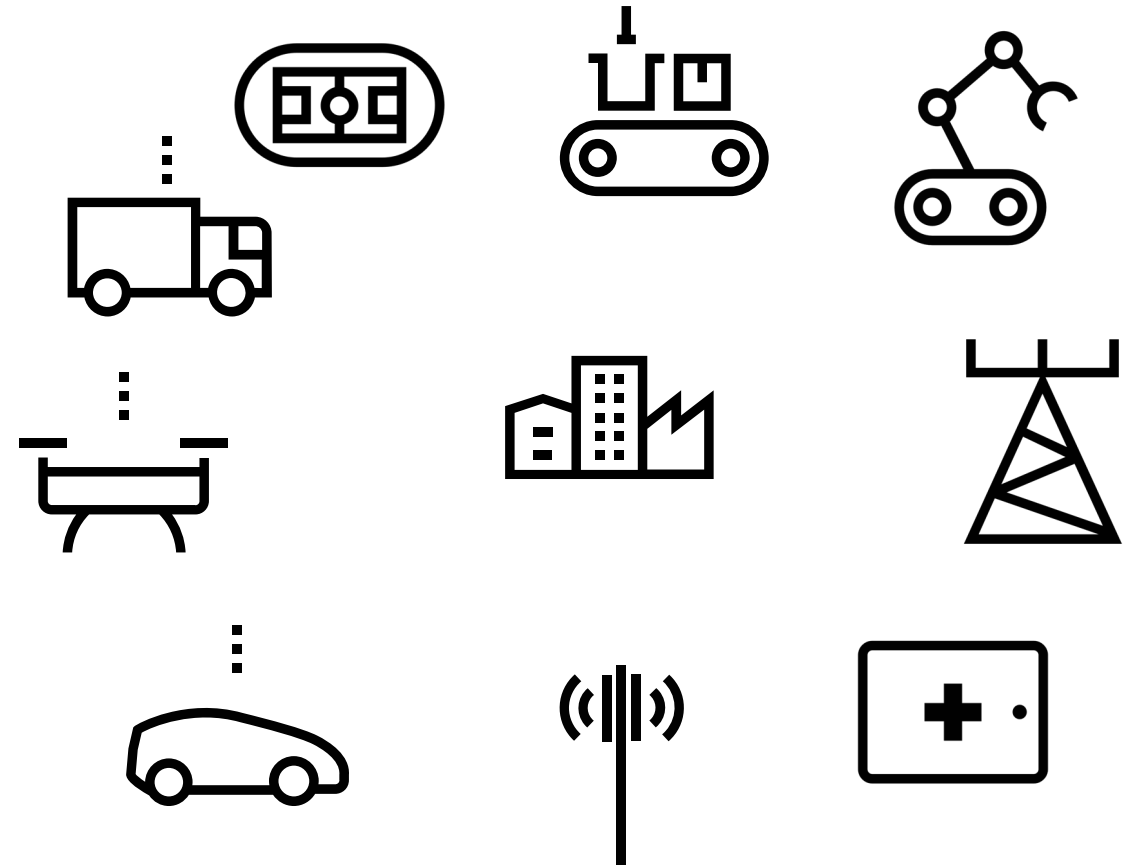
- 5G happening now
- New use cases
 - Transition from 4G to 5G will serve both consumers and multiple industries.
 - Cellular IoT (Manufacturing, Automotive, Public transport, Healthcare, Energy, ...)
 - Taking advantage of Global coverage, Common standard, Security
- Sync implications
 - Wider use of TDD
 - Sync needs of applications supported by 5G



Source: Ericsson Mobility Report (Nov. 2019)

WORKSHOP
ON
SYNCHRONIZATION
AND
TIMING SYSTEMS

- This session addresses some of the aspects of synchronization as related to 5G and “Smart Cities” applications
 - 5G markets, Standards, ITU-T and sync
 - Network Impacts, Sync Challenges
 - New solutions to complement traditional GNSS- or PTP-based solutions
 - PNT (Position, Navigation, and Time) Smart City services



WORKSHOP
ON
SYNCHRONIZATION
AND
TIMING SYSTEMS

Chair: Stefano Ruffini – Expert Ericsson Research, Ericsson

Vice-Chair: Lee Cosart – Senior Technologist, Microchip Technology

Speakers: Chris Pearson – President, 5G Americas

Barry Dropping – Director Product Line Management, Microchip Technology

Anand Ram – Vice President Business Development, Calnex Solutions

Mårten Wahlström – System Developer, Ericsson

Umut Keten – Lead Architect Networks, Turk Telekom

Joe Neil – Technical Specialist, Microchip Technology

The Insights Continue:

- **Session 2: Timing in Finance, Electric Power and Broadcast**
 - Wednesday, May 13
- **Session 3: Timing Security, Resilience and GNSS Issues**
 - Wednesday, May 20

Register at <https://wstsconference.com>
Separate registration required for each webinar.

WORKSHOP
— ON —
SYNCHRONIZATION
— AND —
TIMING SYSTEMS

MARCH 15-19, 2021 • DENVER, COLORADO



WSTSCONFERENCE.COM

WORKSHOP
ON
SYNCHRONIZATION
AND
TIMING SYSTEMS

Thank you for attending the vWSTS Session 1:
5G and Smart Cities

Attendees will receive an email with the slides
and link to the recording as well as a brief survey.

For more information on this vWSTS Webinar Series, visit
www.wstsconference.com