



## Design of Reliable Communication Networks (DRCN) 2021

19-22 April, 2021 - Politecnico di Milano, Milan, Italy

### Program at a glance

[All times CEST (Central European Summer Time)]

#### Monday April 19

09:30 - 11:00 **Tutorial 1**

*Reliable Resource Allocation for Network Function Virtualization*  
Eiji Oki, Kyoto University, Japan

11:30 - 13:00 **Tutorial 2**

*Security, Privacy and Resilience in the Internet of Health Things*  
Michele Nogueira, Federal University of Minas Gerais (UFMG), Brazil

14:00 - 17:00 **Workshop 1**

*Future is now: will virtualization meet next generation enterprise network's needs?*

#### Tuesday April 20

10:25 - 10:45 **Welcome ceremony**

10:45 - 12:00 **Session 1**

*Resilience modeling and algorithms*

13:30 - 14:15 **Main-conference keynote 1**

*Energy Efficiency Everywhere: Cloud, Fog, Virtualisation, RAN and IoT*  
Jaafar Elmirghani, University of Leeds, United Kingdom

14:15 - 15:30 **Session 2**

*Software Defined Networking*

16:00 - 17:15 **Session 3**

*Optical networks and telemetry*

### **Wednesday April 21**

08:30 - 09:15 **Main-conference keynote 2**

*NTT's Challenge toward Self-evolving Zero-Touch Network operation with AI  
Masakatsu Fujiwara, NTT Network Technology Laboratories, Japan*

09:15 - 10:30 **Session 4**

*5G*

10:45 - 12:30 **Industrial Panel**

*For the Next Generation Telecom Infrastructure*

13:45 - 14:30 **Main-conference keynote 3**

*The Janus Bifrons and the Matryoshka: Radio Access Network Architecture for 5G  
Gino Masini, Ericsson AB, Sweden / 3GPP RAN3 Chairman*

14:30 - 15:45 **Session 5**

*Wireless networks and security*

16:00 - 19:00 **Gather.town session**

### **Thursday April 22**

9:00 - 11:00 **Workshop 2 (WIE)**

*Women in Engineering (Wie) - The road towards a more diverse post-covid era:  
challenges and opportunities*

11:20 - 13:00 **Demo Session**

14:30 - 17:45 **Workshop 3**

*Programmable data plane: Abstractions, Architectures and Applications*

17:00 - 17:45 **Workshop Keynote**

*When networks are programmable top-down and end-to-end: what then?  
Nick McKeown, Stanford University / Barefoot, USA*

17:45 - 18:15 **Closing ceremony**