

10th SIG-NGN Meeting

Tuesday 29th November 2022

SIG-NGN is the Special Interest Group on Next Generation Networks.

This meeting of the 10th meeting of the SIG will be held virtually.

Theme

"Programmable networks and their control planes"

During the next meeting, we will focus on presentations and discussion on programmable network technology. P4 and software dataplanes based on DPDK are the current popular solutions, as well as MPLS/IPv6 segment routing as an alternative paradigm. Switching and routing control plane software, to build complete solutions is also emerging.

Quick Links

[All Presentations](#) (currently past meeting presentations.)

Checkout the discussion on [NREN.slack.com](#) ([sign up here](#))

[Subscribe to the NGN mailing list](#) or [View the Archive](#)

Contact the [NGN Steering Committee](#)

[Register here](#)

Agenda (all times are in CET)

Tuesday, 29 November 2022

Time	What's happening
13:45 - 14:00	Get a coffee - Testing audio & video
14:00 - 14:05 ('5)	Introduction and welcome - <i>Rudolf Vohnout (CESNET)</i>
14:05 - 14:30 ('25)	Technology 1: P4 <i>Host: Lars Fischer (NORDUnet)</i> <ul style="list-style-type: none">■ P4 and the GÉANT P4 lab - Frederic Loui (RENATER) - '10■ Programmable Data and Control Planes Interaction for Machine Learning-Based DDoS Detection - Marco Savi (Università degli Studi di Milano-Bicocca) - '10■ Q&A discussion - '5
14:30 - 15:20 ('50)	Technology 2: FPGA / P4 / Controlplane - vision and reality <i>Host: Mian Usman (GÉANT)</i> <ul style="list-style-type: none">• Xilinx FPGA P4 - Ian McBryan (AMD) - '15• ESNet smart NIC - Yatish Kumar (ESnet) '10• ESnet - Dale Carder - '10• RARE, FreeRtr, Polka - Frederic Loui - '10• Q&A discussion - 5'
15:20 - 15:5 ('35)	Technology 3: P4 next <i>Host: Yatish Kumar (ESnet)</i> <ul style="list-style-type: none">• P4 standards update - Mihai Budiu (VMWARE) - '15• OFP4 - A P4 and OVS mashup - Ben Pfaff (VMWARE) - '15• Q&A discussion - 5'
15:55 - 16:00 ('5)	Wrap up, Feedback, Summary and Next Steps - <i>Rudolf Vohnout (CESNET)</i>
16:00	End