Minutes from Sept 3, 2020 meeting of the ns-3 Consortium Advisory Board

Attendees: Tom Henderson, Greg White, Xiaojun Hei, Mohit Tahiliani, Sumit Roy, Doug Blough, Manuel Ricardo, Lorenza Giupponi

1) Tom reviewed status on membership, budget, WNS3 2020/21

- CMMB Vision is not renewing its membership for the coming year

- Consortium budget has been roughly stable this year. Income has come from Google (GCI contributions) and membership renewals (CableLabs and HUST). The main expenses have been the ACM DL publishing costs for Proceedings of WNS3, future website improvements (reviewed at the June meeting), and funding for Sebastien Deronne to perform wifi module maintenance. Budget is projected to be stable for remainder of year unless additional members join.

- The advisory board selected Michele Polese to serve as WNS3 TPC co-chair for 2021-22, to replace Matthieu Coudron. Stefano Avallone will continue as co-chair for one more year.

- WNS3 2021 is likely to be virtual again, in June. Manuel noted that it would be nice to avoid 8-11 June (EUCNC), and Tom noted that we should try to avoid SIGSIM PADS simulation conference week (31 May- 2 June).

2) Sumit and Doug introduced new NSF project recently awarded to UW and Ga. Tech. This is third award (maximum of three) under the NSF community research infrastructure (CRI) program. The UW award, led by Sumit, will focus on wireless scalability and outreach. Ga. Tech. award, led by Doug, will focus on mmWave backhaul and LAN environments, modeling the environment and obstacles (LOS/NLOS), and will also cover ns-3 parallelization and release management.

3) Members began to report status of ns-3 activities. This was not completed within the hour meeting slot, and we agreed to pick up discussion at the following meeting.

Manuel Ricardo described INESC TEC's ongoing work on trace-based simulation models, and machine learning/reinforcement learning (ML/RL) in ns-3.

Mohit Tahiliani described interests in information centric networking, Linux TCP validation, traffic control layer, emulation with Intel DPDK, and deterministic (time-sensitive) networking.

Lorenza Giupponi described CTTC's ongoing involvement in leading the 5G NR-related work. In September, they plan to officially release 5G- NR. NR-U and V2X are forks under development. They plan to have four-day training session on ns-3 5G NR for an industrial customer. They are interested also in coexistence with WiFi/WiGig, and technologies in the 6 GHz band.

The meeting adjourned with plans to reconvene to continue this discussion and then discuss what activities the consortium would like to organize (training, working groups) for the coming academic year.