

Minutes from Feb. 24, 2021 meeting of the ns-3 Consortium Advisory Board

Minutes taken by Tom Henderson

Attending: Tom Henderson, Helder Fontes, Lorenza Giupponi, Sumit Roy, Doug Blough, Xiaojun Hei, Mohit Tahiliani

Agenda:

- 1) Review minutes from September meetings
- 2) Budget status and upcoming expenses
 - Review/approve further Wi-Fi work, computer purchases
- 3) WNS3 planning
- 4) Tutorials/training later in 2021
- 5) Working group next steps, or other business

The minutes from the two September meetings will be circulated for final review and posting on the web site.

Tom shared that the available balance in the Consortium accounts was approximately \$23,000 at the start of the new year, with \$11,000 in proposed expenses. We were also notified that funding in either budget (gift account and member dues) can be used for subcontracting work. Tom sought and received approval for purchase of two computers and for another small software development project for Sebastien Deronne to lead the IEEE 802.11ad module integration with the new ns-3 refactored PHY model.

For WNS3, the planned actual costs (due to the virtual meeting) were to pay for the ACM Digital Library publication fees of roughly \$1000. In keeping with how many virtual meetings are handling costs, we decided to assess authors a \$100 registration fee and allow others to attend for free.

Tom planned to meet with the WNS3 TPC co-chairs on March 4 for planning of additional events beyond paper presentations. The group discussed possible ideas for advanced tutorial/training sessions of one or two-hour duration, and the lightning/short talk session.

The balance of the meeting was devoted to discussing possible working groups/work items for the advisory board, or topics for WNS3. Sumit expressed again his desire to gather, on the main project web site, a place to tout the advanced research capabilities such as the recent channel modeling work. Helder described a paper on trace-based models, including path loss, channel occupancy, and phy rates. Xiaojun mentioned recent work on Wi-Fi sensing mechanisms and localization, an online ns-3 platform/learning lab, AI/ML frameworks, training, tutorial, and lab platform. Mohit expressed possible interest in a poster presentation on using NetNs to validate ns-3 TCP models.