

<IPWAVE Side Meeting Minutes>

- * Date & Time: 11/21/2019, 3:30PM to 4:30PM
- * Place: Bras Basah in Raffles City Convention Center

* Agenda

- IPWAVE Hackathon Project (Yiwen Chris Shen, 5 min)
- IPWAVE Problem Statement Draft (Jaehoon Paul Jeong, 5 min)
- Vehicular Neighbor Discovery Draft (Yiwen Chris Shen, 5 min)
- Vehicular Mobility Management Draft (Yiwen Chris Shen, 5 min)
- Security and Privacy Draft (Jaehoon Paul Jeong, 5 min)
- Context-Aware Navigator Draft (Yiwen Chris Shen, 5 min)
- Neighbor Vehicle Discovery and Service (Zhiwei Yan, 5 min)
- Open Discussion for IPWAVE WG Progress (30 min)

* Participants (13 people)

Jaehoon Lee (DGU), Hyojoon Han (DGU), Yongjoon Joe (LSware), Duke Moon (Hansol), Jungsoo Park (ETRI), Bin-Yeong Yoon (ETRI), Guang Gary Gang (CNNIC), Zhiwei Yan (CNNIC), Ruidong Li (NICT), Yang Hua Rui (Huawei), Chaehong Chung (SKKU), Yiwen Chris Shen (SKKU), and Jaehoon Paul Jeong (SKKU)

* Side Meeting Facilitator: Jaehoon Paul Jeong

* Notetaker: Yiwen Chris Shen

* Meeting

Paul: Introduce agenda.

* IPWAVE Hackathon Project

Chris: Introduce IPWAVE hackathon:

- Cisco blog for IPWAVE Hackathon Project:
<https://blogs.cisco.com/developer/ipwave-ietf-106-hackathon>
<https://blogs.cisco.com/developer/ietf-hackathon-106>
- Github for IPWAVE open source project:
<https://github.com/ipwave-hackathon-ietf/ipwave-hackathon-ietf-106>
- Youtube for IETF-106 IPWAVE Hackathon demonstration:
<https://youtu.be/gQx0LU740b4>

* IPWAVE Problem Statement Draft

Paul: PS document, need more energy

Update from previous version, comments from C. Perkins
Going through some important revisions
Comments from Carlos, still ongoing work

Next step: find 5 reviewers to review the PS document

Collaboration with the industry such as Hyundai Motors.

* Vehicular Neighbor Discovery Draft, Vehicular Mobility Management Draft,
Security and Privacy Draft, and Context-Aware Navigator Draft

Paul: Introduce the VND draft
Mix ND with routing received resistance

Introduce mobility management in the vehicular environments.
Plan to have a hackathon for DMM-based mobility management

Introduce security and privacy document and next step.

* Neighbor Vehicle Discovery and Service

Zhiwei: Introduce service and neighbor discovery in ITS
Consider the name of a vehicle as an identifier or address

Multi-DNS can be used for service discovery

ND-based on mDNS ad-hoc based approach

RSU-based service discovery

Introduce some scenarios about ND based mDNS service discovery

There some limitations on how to use mDNS based approaches

Paul: Asking a question how to combine ND and mDNS messages.

Zhiwei: ND can be triggered when sending mDNS messages.

* Open Discussion for IPWAVE WG Progress

Paul: Introduce action items, continue revising PS documents.

Park: My current work for IPWAVE security considers a block-chain-based network,

I'd like to get involved into vehicular networks.

IPWAVE WG is a good place to develop related work.

Lin: I am not familiar with this IPWAVE WG, but I think vehicular network is

an important work item in IPWAVE WG.

Youn: I have a question with WG collaborations, since IPWAVE WG's work is very

close to IP security WGs. The collaboration can provide a better way to

continue the work.

Paul: I have been working on I2NSF work, so we can suggest that its work can be

used for IPWAVE security.

Moon: I am interested in the work in this WG, I will try to contribute and suggest

some work in this WG.

Jo: I'm from a company, I have been working on the IP-based services.

Han: I am also considering security side of work items in IPWAVE WG.
I need to read the drafts and then give some comments.

Paul: Vehicle networks will be important to future ITS.
Thank you for your attention.
Hope see you in the next meeting in Vancouver in Canada.

END