

Meeting Minutes

[MDA CTSoc]: Technical Committee Meeting

Date: 2021.03.03

Time: 12am – 1am Pacific Time - Vancouver

Attendees: Pourzad, Zin, Pau, Dongeun, Manikandan, Inguanez, Tran, Kim, Napoletano, Corcoran, Tedesco, Sumiko, Pham, Tsao, Springer

Presented slide set (Mahsa Pourazad):

Explanation of connection between Technical Streams and Technical Committees

Presentation of P&P PDF

Intro to technical committees

Technical committee officers now selected:

- Chair: Mahsa Pourazad
- Vice Chair: Thi Thi Zin
- Secretary: Dominic Springer

Responsibilities of editors

Presentation of 3 open action items (action time 3: propose track chairs)

One of the major goals of this committee is:

Publication-ready papers and journals on AI (including neural networks) and AI-tools for ultra constrained embedded deployability

This means: trying to attract papers and journals that focus on deployment of AI on consumer electronics, bridging research and industry interests

Examples for interesting technologies: TinyML, Tensorflow Lite, Real-Time YOLO, Edge AI Chips, 20-30 mW power consumption

Proposals:

Peter Corcoran: Proposal: Presentation of research interest and activities for each member in next meeting, why people are interested in participating in MDA technical committee

Danilo Pau: Proposal: TinyML as connection between industry and research, attract papers from TinyML and Tensorflow Lite community, idea: special session for TinyML submission (creating an incentive for submitting to MDA)

Corcoran: Proposal to consider new chipsets that allow real-time AI-based object detection (see YOLO, see Edge AI Chips)

Frankie Inguanez: Proposal to consider remote sensing, AI driven image segmentation is state of the art, becoming especially interesting for low lower devices in order to provide remote sensing services, hence connection to MDA