DELTA / A-WEAR Winter School "Technologies, challenges and opportunities of wearable computing devices"

RukaVillage Hotel, Ruka, Kuusamo, Finland

February 10-13, 2020

Address: Rukankyläntie 6, 93830 RUKATUNTURI

2 credits available for participation + learning diary on the lectures.

The lectures will take place in the basement of RukaVillage hotel, one floor down from the reception and breakfast restaurant (Colorado).

Agenda

<u>Monday, February 10</u>

9:00 – 9:30   Jari Nurmi, TAU: Opening and brief introduction

9:30 – 10:00   Simona Lohan, TAU: Introduction to A-WEAR European joint doctorate

10:00 – 12:00   Aleksandr Ometov, TAU: Introduction to wearable technologies

(coffee break 10:30-11:00)

12:00   Lunch and ski break

16:00 – 17:00   Iman Azimi, UTU: Gateways, edge and cloud for wearables

17:00   Coffee break

17:20 – 18:50   Olga Galinina, TAU: Advanced wearables

19:00   Dinner at restaurant Villisika

<u>Tuesday, February 11</u>

9:00 – 10:30   Riku Jäntti, Aalto: Indoor connectivity for wearables

10:30   Coffee break

10:50 – 12:00   Sergey Andreev, TAU: A Promise of Aerial Connectivity for Immersive Viewing Applications

12:00   Lunch and ski break

16:00   Emmi Pouta, Aalto: eTextiles based wearable interfaces for AR/VR

17:00   Coffee break

17:20 – 18:50   Simona Lohan, TAU: Localization techniques for wearables

20:00   Dinner at Royal Ruka restaurant (~2 km from the village)

Wednesday, February 12

9:00 – 12:00   Orazio Aiello, Polito, Italy: Agile IC Design methodology for wearable sensor nodes

(coffee break 10:30-10:50)

12:00   Lunch and ski break

16:00 – 17:00 Joaquín Torres Sospedra, UJI, Spain: Crowdsensing of wearable data

17:00   Coffee break

17:20 – 18:50 Joaquín Torres Sospedra, UJI, Spain: Machine learning for wearables

19:00   Dinner at restaurant Rukahovi

Thursday, February 13

9:00 – 9:40   Jari Nurmi, TAU: Security and privacy issues in wearables

9:40   Coffee break

10:00 – 11:00 Aleksandr Ometov, TAU: Future of Blockchain in the Internet of Wearable Things: Challenges and Future Perspectives

11:00   Lunch

12:00   Hotel check-out time

~12:10   Bus to airport leaves