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ITC Conference Grant

Scientific Report

by Imre Lendák

Action Number:	CA15212
Grantee Name:	Imre Lendák
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Conference title:	2019 IEEE International Conference on Pervasive Computing and Communications, PerCom, Kyoto, Japan, March 11-15, 2019.
Conference start and end date:	11/03/2019 to 15/03/2019
Conference attendance start and end date:	09/03/2019 to 19/03/2019

Activities during your attendance at this conference

During the 2019 IEEE International Conference on Pervasive Computing and Communications (PerCom 2019) conference, which was organized in the March 11-15, 2019 week, I presented my research paper.

The 6th International Workshop on Crowd Assisted Sensing, Pervasive Systems and Communications (CASPer 2019) was organized in conjunction with the 17th IEEE Conference on Pervasive Computing and Communications PERCOM 2019, March 11-15th 2019, in the Kyoto International Conference Center (ICC Kyoto), Kyoto, Japan.

The IEEE PERCOM is a flagship conference of the IEEE, organized since 2003. The 3-day main conference was held on March 12-14 and it focused on the diverse challenges faced in modern pervasive systems, e.g. wearable sensors, communications, energy efficiency, security & privacy, activity recognition and data analysis. On the first and last day of the conference, i.e. March 11 and 15, a total of 21 workshops were organized.

The grantee attended the main conference and those workshops which were most closely related to the activities of COST Action CA 15212, i.e. citizen science:

- 6th International Workshop on Crowd Assisted Sensing, Pervasive Systems and Communications (CASPer'19)
- 2nd International Workshop on Context-Awareness for Multi-Device Pervasive and Mobile Computing (PerCrowd'19)
- The Third Workshop on Security, Privacy and Trust in the Internet of Things (SPT-IoT'19)

There were other workshops which were held in parallel with the above events and therefore the grantee could not attend them, although they were also closely related to the activities of COST Action CA15212:

- International Workshop on Behavior analysis and Recognition for knowledge Discovery (BiRD'19)
- Workshop on Sensing Systems and Applications using Wrist Worn Smart Devices (WristSense'19)

The grantee attended the conference reception on March 12th and the conference dinner on March 13th. These social events organized by the IEEE PERCOM organizers were excellent networking opportunities and places where future collaborations and plans were made.

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Impact on your research and future collaborations

The author published a single-author paper about a simulation-based analysis of a proposed, crowdsourced scientific peer review system at the 6th International Workshop on Crowd Assisted Sensing, Pervasive Systems and Communications (CASPer'19). The paper was well received after presentation and it will be included in the IEEExplore online database, which will increase its future impact. The author plans to extend the published paper with new materials and merge with the results published by him earlier on a similar topic at the Research Evaluation in the Social Sciences and Humanities (RESSH 2017) conference and publish it as a journal paper. That journal paper and the single-author conference paper published with this grant will be necessary to advance from his current associate professor role to a tenure track, full professor role at the University of Novi Sad.

The IEEE PERCOM was an excellent networking opportunity, where the grantee established (new) contacts with colleagues at the following institutions and considered future collaborations at the intersections of pervasive computing, crowdsourcing/crowdsensing, information security and citizen science:

- University of Milano, Italy
- University of Göttingen, Germany
- University of Kassel, Germany
- Deggendorf Institute of Technology, Germany
- Technical University of Clausthal, Germany
- Birkbeck College, United Kingdom
- University of Adelaide, Australia
- University of Texas, Austin, USA
- Rochester Institute of Technology, USA
- Shibaura Institute of Technology, Japan

The grantee has been working since 2017 on bridging the 'gap' between the more technical and engineering-oriented PERCOM, and the (usually) more natural science-oriented citizen science communities. In 2018 the grantee invited Luigi Ceccaroni, the leader of Working Group 5 of COST Action CA 15212 to be a keynote speaker at the IEEE PERCOM/CASPer 2018 workshop held in Athens, Greece. Unfortunately, the keynote speech was not implemented in the end due to the lack of funding for keynote speakers.

The grantee plans to continue lobbying to be included in the Technical Program Committee (TPC) of the IEEE PERCOM (main) conference in 2020. He will be included in the organizing committee of the next two CASPer workshops which will be held in conjunction with the main IEEE PERCOM conference in Austin (USA) and Paris (France) in 2020 and 2021.