Gaetano Borriello

GHTC2015
Gaetano Borriello Feet on the Ground Humanitarian Symposium

Please join us for the Gaetano Borriello Feet on the Ground Humanitarian Symposium on Saturday, October 10, 2015 from 1:30 to 6:00 pm at the DoubleTree by Hilton Seattle Airport. The symposium, which will feature talks by researchers and humanitarian leaders who are applying technology solutions to real-world problems, will be held during the Institute of Electrical and Electronics Engineers' Global Humanitarian Technology Conference (GHTC15), October 8-11 in Seattle.

Our friend and colleague, Gaetano Borriello, passed away earlier this year. He was a fellow of the IEEE, a professor of computer science and engineering at the University of Washington, and a recognized leader in the fields of mobile and ubiquitous computing who devoted a significant portion of his career to developing technologies that improve conditions in low-resource settings. He led the development of a suite of open-source mobile data collection tools, known as the Open Data Kit (ODK), that are used by humanitarian programs worldwide to advance public health, human rights, political participation and environmental stewardship. Dr. Borriello demonstrated how research can impact the lives of people around the globe, and the symposium will honor his many contributions.

Jim Jeffries, President of the IEEE USA, will join the symposium to deliver a special announcement, which will be followed by a series of keynote presentations and technical talks by experts in developing and applying technologies to address humanitarian challenges. Featured speakers will include:

John Bennett, Associate Vice Chancellor for Innovation Initiatives, University of Colorado, Denver and past president, Engineers Without Borders

Eric Brewer, Professor, Computer Science Division, University of California, Berkeley

Kiersten Israel-Ballard, Technical Officer, Maternal and Child Health/Nutrition, PATH

David Thou, Manager of Developer Relations, Google Earth Engine & Google Earth Outreach

Heather Underwood, Associate Director, Inworks and Assistant Professor, University of Colorado, Denver

Lorenzo Violante Ruiz, Learning & Innovation Coordinator, International Federation of Red Cross and Red Crescent Societies

Roy Want, Research Scientist, Google

In addition, a panel of researchers who worked with Dr. Borriello on the Open Data Kit will offer their perspectives on its role in aiding humanitarian work around the globe, featuring Waylon Brunette, Ph.D. Candidate, Computer Science & Engineering, University of Washington; Nicola Dell, Assistant Professor, Computing & Information Sciences, Cornell University; and Carl Hartung, Co-founder & CTO, Nafundi, and Sam Sudar, Ph.D. candidate in Computer Science & Engineering, University of Washington.
Year in review

Alums

Nicki Dell
Cornell Tech

Neha Kumar
Georgia Tech

Papers


Joining September 2016
Open Data Kit

1. Build form
2. Collect data
3. Aggregate results

http://opendatakit.org
ODK 2.0 Architecture

CLOUD
- AGGREGATE
  - Database
  - CSV
- Fusion Tables
- KML

MOBILE DEVICE
- SCAN
- SURVEY
- TABLES
- File System
- SUBMIT
- SENSORS
- Database
- Sensor Discovery
- Sensor Manager
- Data Manager
- Driver 1
- Driver 2
- Sensor Drivers
- USB Manager
- Bluetooth Manager
Projecting Health
Projecting Health 2.0
Areas of focus

- Security
- Messaging
- Voice platforms
- Working with Data
- Digital Financial Services
Partnership with PATH
Other important partners

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