

IT Lightning Talks: session #14

Report of Contributions

Contribution ID: 0

Type: **not specified**

Welcome

Friday, 22 September 2017 10:00 (3 minutes)

Summary

Presenters: DUMITRU, Andrei (CERN); LOPIENSKI, Sebastian (CERN)

Contribution ID: 44

Type: **not specified**

Open Mic: Software Developers Forum

Friday, 22 September 2017 10:59 (1 minute)

Summary

Presenter: RODRIGUEZ FERNANDEZ, Luis (CERN)

Contribution ID: 52

Type: **not specified**

Use of Microsoft HoloLens to survey and visualize buried networks

Friday, 22 September 2017 10:03 (8 minutes)

Survey and positioning of buried infrastructure networks are crucial issues for their maintenance and a starting point for every new Civil Engineering project.

3DCity is a research & development project which consists in a development of software providing a method for quick underground pipe networks surveying and holographic visualization, by using Microsoft HoloLens devices.

Presenter: ROBERT, Youri (CERN)

Contribution ID: 53

Type: **not specified**

How to get an audience LIT

Friday, 22 September 2017 10:35 (8 minutes)

Learning about CERN can be fun. The LHC Interactive Tunnel (LIT) is an immersive installation where the public can experience the thrill of the research being done at CERN. From proton collisions, to the Higgs Field and Hadron Therapy, become an actor of the process of discovery in a playful way.

Presenter: ANTUNES PEQUENAO, Joao (CERN)

Contribution ID: 54

Type: **not specified**

Using Vim as User Interface for Your Applications

Friday, 22 September 2017 10:19 (8 minutes)

The Vim editor offers one of the cleverest user interfaces. It's why many developers write programs with vi keyboard bindings. Now, imagine how powerful it gets to build applications literally on top of Vim itself.

Presenter: BELLEMAN, Jerome (CERN)

Contribution ID: 55

Type: **not specified**

Coding Science Days 2017 edition

Friday, 22 September 2017 10:27 (8 minutes)

The CODING SCIENCE DAYS are an opportunity for STEM Teachers and students aged 12 to 18 to get familiar with programming using original scientific projects designed by educators, this year featuring exciting kits such as :

- Poppy Ergo Jr (a very fun robotic arm),
- Hepialight (an educational microcontroller designed at hepia, the Geneva engineering school)
- Muon Hunter (a DIY cosmic particle detector)
- Chiby (a programmable touchscreen based on Python pygamezero)

Summary

Presenters: COPY, Brice (CERN); ROSSEL, Ralf Erik (Johannes Gutenberg Universitaet Mainz (DE))

Contribution ID: 56

Type: **not specified**

Social Networks: Gated Communities or Free Cantons?

Friday, 22 September 2017 10:51 (8 minutes)

Online social networks and other cloud-based services have concentrated the control of the web in the hands of a few corporations.

Our personal data has been commodified, often without our knowledge or consent. Is there a way to retain all the benefits of social networking without giving up control of our data?

Presenter: DAVIS, Michael (CERN)

Contribution ID: 57

Type: **not specified**

Sound and music for science explorations

Friday, 22 September 2017 10:43 (8 minutes)

Resonances, periodicity, patterns and spectra: well-known notions that play crucial roles both in science and music. This short talk will focus on analysing data and their relations by translating measurements into audible signals and using the natural capability of the ear to distinguish, characterise and analyse waveform shapes, amplitudes and relations. This process is called data sonification.

Summary

Presenters: VICINANZA, Domenico (Anglia Ruskin University and GEANT); WILLIAMS, Genevieve (University of Exeter, UK)

Contribution ID: 58

Type: **not specified**

Humanitarian challenges and technology

Friday, 22 September 2017 10:11 (8 minutes)

Which technology can help today improve Parkinson disease treatments, or age assessment for migrant children... and to improve waste management in refugee camps ?

THEPort is solving urgent humanitarian issues with technology since 2014. We will share with you what we have learnt so far and get you inspired to tackle our upcoming challenges.

Summary

Presenter: DI LUISE, Silvestro (Eidgenössische Technische Hochschule Zürich (CH))