Summer School Opening

Georg Ferdinand Schneider & Anna Wagner

LDAC 2019

Linked Data in Architecture and Construction Week

Summer School (17 – 18) + **7th LDAC Workshop** (19 – 21) June 2019 | Lisbon, PT

About

- This summer school aims at:
  - Providing a **starting point** for participants that are new to the topic
  - **Enhance the understanding** of the application of Linked Data and Semantic Web technologies in the Architecture, Engineering and Construction domain (AEC)
  - **Teach** the principles and get an **overview** of current state of the art
  - **Bring together** different stakeholders and ideas
  - **Ignite** and **accelerate** your research on LBD

Goals

After the summer school, we expect you to be able to…

- … apply principles of Linked Data and Semantic Web Technologies
- … design your own ontologies from scratch
- … implement schema level ontologies using OWL
- … query a knowledge-base/ triple store using SPARQL
- … implement your own (first) Linked Building Data applications
- … elaborate on ongoing research

Overall Structure

Lectures

- Class room lectures
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Theory

Hands-On sessions

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Practice

Hackathon

- Practical resear
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Use it!

Lectures

- One lecturer, two assistants for questions
- All slides will be made available
- Questions may be asked *after* the lectures and in any coffee or lunch break

Hands-On Sessions

- One lecturer, two assistants
- Practice theoretically learned material
- Guided exercises; can be found here:

https://github.com/linkedbuildingdata/SummerSchoolOfLDAC/

Hackathon

- Five different topics for a coding challenge
- Groupwork (3 - 4 participants of *mixed backgrounds and companies*)
- Task for the day: Find group and topic https://bit.ly/2Ziqb87
- Hackathons to work on the coding challenge every evening
  - Lecturers are available as support

✓ >>> Prize for best Group <<< Sponsored by Stardog

Schedule (tentative)

	Monday, 17 June	Tuesday, 18 June	
09:00	Opening	Administration and Recap of Day 1	
10:00	Linked Data and the Semantic Web: Basics	Triple Stores: Introduction	
		Coffee & Discussions	
11:00	Coffee & Discussions	Geometry	Coding with Linked Data: Jena
12:00	Ontology Development	Coding with Linked Data: NodeRED	Coding with Linked Data: RDFlib
13:00	Lunch	Lunch	
14:00	Introduction to Querying Linked Data	Geospatial	Linked Building Product Data
15:00	Coffee & Discussions	Hackathon	
16:00	Linked Building Data: Examples & Tools		
17:00	Kickoff Coding Challenge		
18:00	Hackathon on Coding Challenge		
19:00			

Lecturers

Mads Holten Rasmussen

Georg Ferdinand Schneider

Anna Wagner

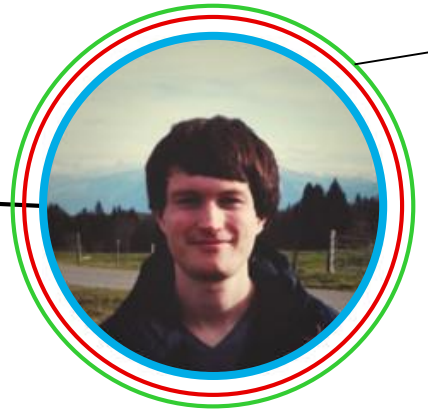
María Poveda

Jakob Beetz

Pieter Pauwels

Kris McGlinn

Walter Terkaj



Mathias Bonduel

Support

- We are here to help you make the most of this week !
- Ask questions at any times - including lunch and coffee breaks
- Colour-code for easy identification of expertise:
  - pink - organisation
  - dark blue - basics of Semantic Web & ontologies
  - bright blue - SPARQL and triple stores
  - red - coding with RDF
  - yellow - Linked Building Data and products
  - green - geometry and geospatial data

Wifi

- SSID: Powered_By_Altice
- pw: BetaiEnter

Have a nice one!

Let’s get this started...