

9th International Workshop on Linked Data in Architecture and Construction

Belval, Luxembourg, 2021

Sylvain Kubicki, Pieter Pauwels, Calin Boje

<http://linkedbuildingdata.net/ldac2021/>

#LDAC2021

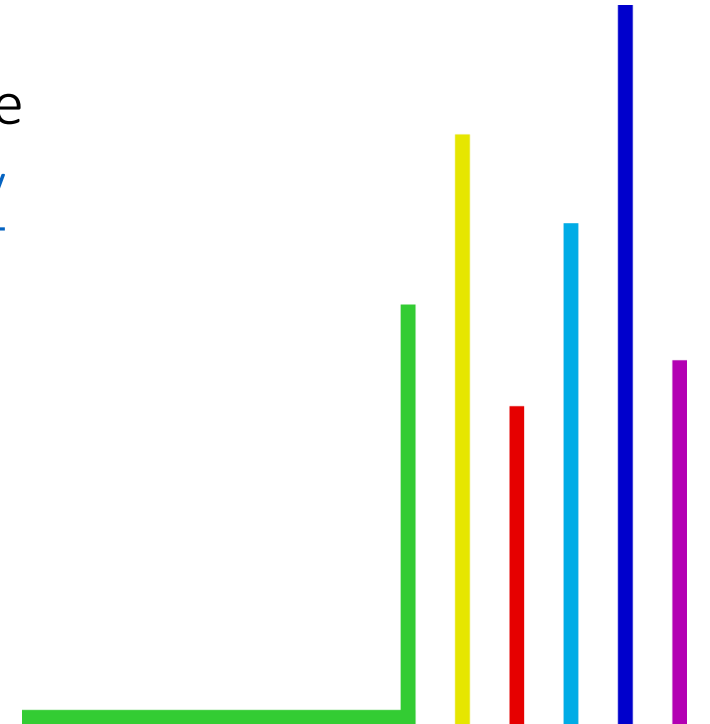


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AND TECHNOLOGY

LIST



ECTP
INNOVATIVE BUILT
ENVIRONMENT



Recap LDAC2021



Social gatherings!



Keynote



Edward Curry
Maynooth University
Big Data Value Association

From Data Platforms to Dataspaces: Enabling Data Ecosystems for Intelligent Systems

Abstract: Digital transformation is driving a new wave of large-scale datafication in every aspect of our world. Today our society creates data ecosystems where data moves among actors within complex information supply chains that can form around an organization, community, sector, or smart environment. These ecosystems of data can be exploited to transform our world and present new challenges and opportunities in the design of intelligent systems. This talk presents my recent work on using the dataspace paradigm as a best-effort approach to data management within data ecosystems. The talk explores the theoretical foundations and principles of dataspaces and details a set of specialized best-effort techniques and models to enable loose administrative proximity and semantic integration of heterogeneous data sources. Finally, I share my perspectives on future dataspace research challenges, including multimedia data, data governance and the role of dataspaces to enable large-scale data sharing within Europe to power data-driven AI.

13 Paper Presentations



5 Industry Presentations



Resources!

- Presentations
- Papers
- Videos
- Available with the LDAC2021 program
 - <http://linkedbuildingdata.net/ldac2021/>
- And we will keep our slack channel open

14:00 - 15:30 CET, 12:00 - 13:30 UTC: Plenary session 1 (chair: Pieter Pauwels)

Ontology-based anamnesis and diagnosis of natural stone damage for retrofitting

Al-Hakam Hamdan, Peter Katranuschkov and Raimar Scherer

[Abstract](#)

[Presentation \(PDF\)](#)

[Full paper \(PDF\)](#)

Conversion of legacy domain models into ontologies for infrastructure maintenance

Anne Göbels and Jakob Beetz

[Abstract](#)

[Full paper \(PDF\)](#)

Queries on Semantic Building Digital Twins for Robot Navigation

Rens de Koning, Elena Torta, Pieter Pauwels, Bob Hendrikx and Marinus van de Molengraft

[Abstract](#)

[Presentation \(PPTX\)](#)

[Full paper \(PDF\)](#)

15:30 - 16:00 CET, 13:30 - 14:00 UTC: Coffee break

16:00 - 17:00 CET, 14:00 - 15:00 UTC: Plenary session 2 (chair: Kris McGlinn)

TUBES System Ontology: Digitalization of building service systems

Nicolas Pauen, Dominik Schlütter, Jérôme Frisch and Christoph van Treeck

[Abstract](#)

[Full paper \(PDF\)](#)

Real-Time Building Performance Monitoring using Semantic Digital Twins

Alex Donkers, Dujuan Yang, Bauke de Vries and Nico Baken

[Abstract](#)

[Presentation \(PPTX\)](#)

[Full paper \(PDF\)](#)


18:00 - 19:00 CET, 16:00 - 17:00 UTC: LDAC Committee meeting (closed)

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LDAC 2020
Linked Data in Architecture and Construction

Proceedings of the 8th Linked Data in Architecture and Construction Workshop
Dublin, Ireland, June 17-19, 2020 (virtually hosted).

Edited by
María Poveda-Villalón *
Pieter Pauwels **
Ana Roxin ***
Kris McGlinn ****

* Universidad Politécnica de Madrid, Spain
** Eindhoven University of Technology, Netherlands
*** Univ. Bourgogne Franche-Comté, France
**** Trinity College Dublin, Ireland


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LDAC 2018

Linked Data in Architecture and Construction

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London, United Kingdom, June 19-21, 2018.

Edited by

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Thanks

Organising Committees

LDAC COMMITTEE



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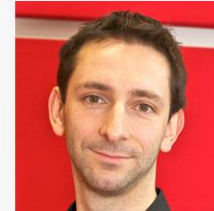


Anna Wagner

PROSTEP AG

LOCAL ORGANISATION

Local organisation is fully in hands of the CIB W78 organisers.



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ECTP and R2M Solution (FR)

Programme Committee

All submissions are reviewed by at least two members of the Program Committee, which consists of the following members:

Jakob Beetz
Jose Beirao
Calin Boje
Serge Chávez Feria
Andrea Cimmino Arriaga
Gonçal Costa
Aaron Costin
Daniela De-Luca
Iker Esnaola-Gonzalez
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Industry Track



Support

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CAERDYDD



And of course all of you!



Prizes!

cib W78

LDAC

2021 Conference



Charles M. Eastman Top PhD Paper Award

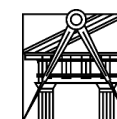
Joint Prize with CIB W78

Awarded on Friday in the Award Ceremony

Evaluation by joint Award Committee (chair: J. Beetz)

LDAC2022 and Summer School





LDAC Track

- LDAC2012, Ghent
- LDAC2014, Helsinki
- LDAC2015, Eindhoven
- LDAC2016, Madrid
- LDAC2017, Dijon
- LDAC2018, London
- LDAC2019, Lisbon
- LDAC2020, Dublin
- LDAC2021, Luxembourg
- LDAC2022, ?



LDAC Summer School 2022



Cercedilla, Spain –
mid June 2022

Residencia Lucas Olazabal - UPM

UPM residence for conferences, courses, workshops, etc

In Madrid but quite far (border with Castilla y Leon)

Perfect environment to (intensively) work in groups

Classrooms, conference room, bedrooms, social areas...

Venue of 10 Semantic Web Summer Schools (2003, 2004, 2005, 2006, 2007, 2008, 2009, 2011, 2012 & 2013) + Summer School in Smart Cities LD4SC-15 and Linguistic Linked Data SD-LLOD-15 y SD-LLOD17

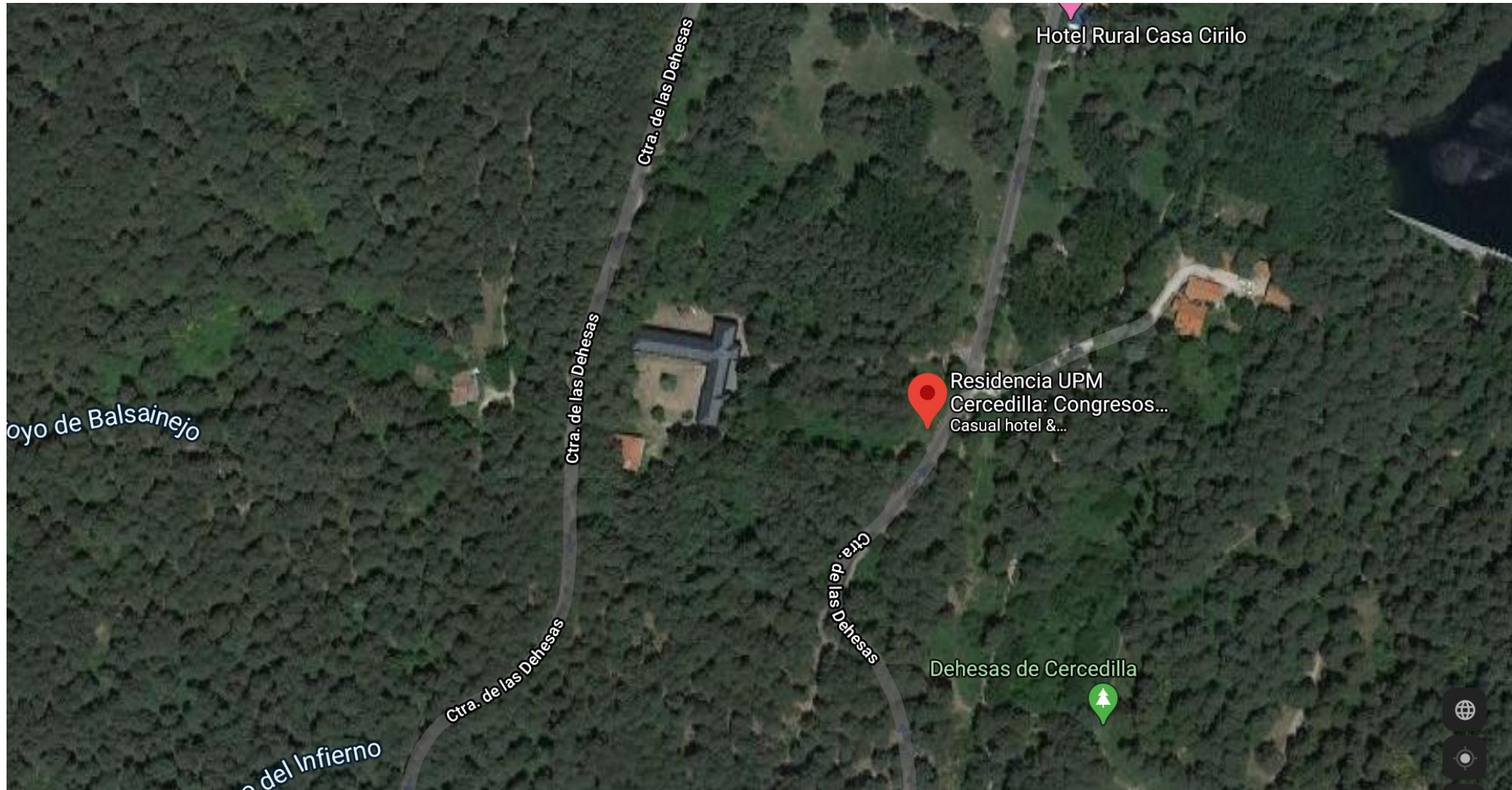


The building



Summer School in Smart Cities LD4SC-15

The surroundings



LDAC Workshop 2022

10th edition of the International Workshop on Linked Data in Architecture and Construction (LDAC) takes place in ...

LDAC Workshop 2022

Workshop Proposal ongoing and to be
accepted via regular procedure

Collocated with the 19th Edition of the Extended Semantic Web
Conference (ESWC)



ESWC22

Dates: 29 May to 2 June 2022

Location: Heraklion, Greece

Call for Papers to be announced soon
One day workshop!!

General ESWC Chair: Paul Growth (UvA)

Workshop Chairs:

Mehwish Alam (FIZ Karlsruhe)

Anastasia Dimou (KULeuven)

Important dates and expected tracks

Call for Contributions ESWC 2022

ESWC is a key academic conference for research results and new developments in the area of the Semantic Web and Knowledge Graphs. ESWC2022 marks the 19th edition, which will take place from 29 May to 2 June 2022, in Heraklion, Greece.

ESWC2022 features three main tracks:

- the [Research Track](#) for novel research contributions
- the [In-Use Track](#) for applications of focus technologies in practice
- the [Resources Track](#) for data and software supporting the community

Important dates for Research, Resources and In-Use Tracks

- 2 December 2021: abstract submission|
- 9 December 2021: full submission
- 24 January 2022: closing of rebuttal period
- 21 February 2022: notification of acceptance
- 28 March 2022: final submission

All deadlines are 23:59 anywhere on earth (UTC-12).

Location: Knossos Royal Mare – often visited conference venue



HERAKLION, GREECE
6TH EUROPEAN SEMANTIC WEB CONFERENCE
31 MAY - 4 JUNE 2009



Thank you

Thank you!



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