

Summer School: Application

Who?

PhD students and postdocs working on or being interested in concepts, from all fields related to cognitive science. We in particular welcome individuals who are underrepresented in their respective fields.

When?

Deadline: April 30, 2018

Notification: May 07, 2018

How?

Single-page Curriculum Vitae

Motivation letter (max. 300 words):

- What are your research interests?
- Why do you want to participate?

EasyChair:

<https://easychair.org/conferences/?conf=carlass18>

If you need a visa to enter Germany, please let us know! Also, please indicate if you need financial support for accommodation and travel.

Workshop: Call for Abstracts

Who?

Researchers working on concepts

When?

Deadline: May 20, 2018

Notification: May 31, 2018

What?

Any research related to concepts

How?

Extended abstract (up to 500 words excluding references)

EasyChair:

<https://easychair.org/conferences/?conf=carlaws18>

More Information

You can find more information about CARLA on our website: www.conceptuccino.uos.de

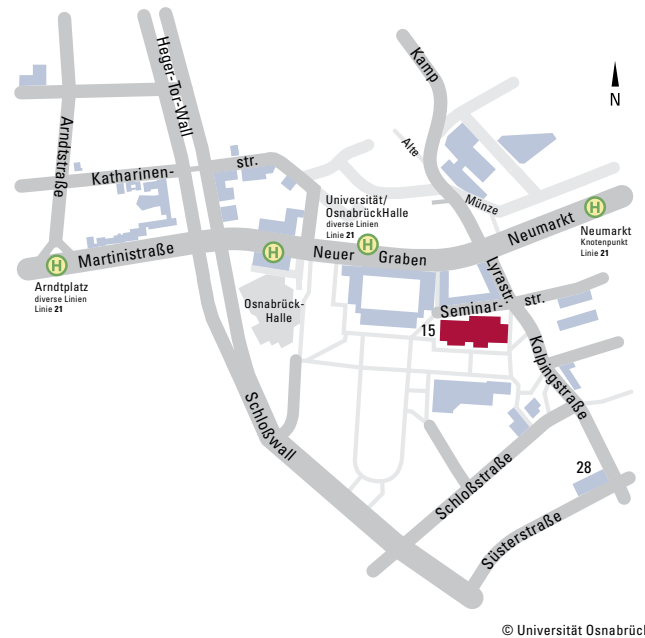
You can always contact us by E-mail under: concepts@uni-osnabrueck.de

Organizers

CARLA is organized by **Lucas Bechberger**, **Ulf Krumnack**, **Kai-Uwe Kühnberger** and **Mingya Liu** from the Institute of Cognitive Science at Osnabrück University.

Venue

Both the summer school and the workshop will take place at Osnabrück University, building 15 (see map below).



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Summer School and Workshop

CARLA

Concepts in Action:

Representation, Learning, and Application

August 2018



Research on Concepts ...

Concepts are central to human cognition. They are a core topic of cognitive science and essential to our understanding of the human mind.

In the past decades, research on concepts has been carried out in a variety of fields and from a variety of perspectives. However, most of this research has been conducted independently without enough crossdisciplinary interaction.

... Must Be Interdisciplinary!

In order to arrive at a more holistic understanding of concepts, it is crucial to have a higher awareness and familiarity with approaches from other disciplines.

Our CARLA initiative pushes disciplinary boundaries in concept research through:

- Reviewing current single-disciplinary research
- Comparing research approaches, goals and results
- Fostering truly interdisciplinary research initiatives

We focus our discussions on three main topics:

Representation:

How can we formally describe and model concepts?

Learning:

Where do concepts come from and how are they acquired?

Application:

How are concepts used in cognitive tasks?

Summer School · August 06–10, 2018

If you participate in the CARLA summer school, you will:

- Learn about concept research outside of your own field.
- Contrast and compare the different approaches used in different disciplines.
- Engage in interdisciplinary discussions on current issues and open problems.

The summer school is fully funded by the *Volkswagen Foundation* and does not charge a participation fee.

Speakers and Classes

Nicholas Asher and Julie Hunter, Institut de Recherche en Informatique de Toulouse

Concepts and Conceptualization: From the Lexicon to Situated Conversation

Christiane D. Fellbaum, Princeton University
A Linguistic Perspective on Concepts

Peter Gärdenfors, Lund University
Where do Conceptual Domains Come from?

Robert L. Goldstone, Indiana University
The Learning and Use of Concepts by Humans

Michael Spranger, Sony Computer Science Laboratories Inc.

Co-acquisition of Concepts and Language: Computational Models and Robot Experiments

These daily lectures are complemented by interactive discussion sessions, where you will connect the lecturers' contents with one another and with overarching research questions.

Typical Summer School Day

09:00 · Robert L. Goldstone
The Learning and Use of Concepts by Humans

10:00 · Peter Gärdenfors
Where do Conceptual Domains Come from?

11:00 · Coffee Break

11:30 · Nicholas Asher and Julie Hunter
Concepts and Conceptualization

12:30 · Lunch Break

14:00 · Christiane D. Fellbaum
A Linguistic Perspective on Concepts

15:00 · Michael Spranger
Co-acquisition of Concepts and Language

16:00 · Coffee Break

16:30 · Discussion Session (Panel or Small Groups)

18:00 · Dinner Break

20:00 · Social Evening Program

Workshop · August 11–12, 2018

The CARLA workshop provides an excellent opportunity to present and discuss ongoing research on concepts from a variety of fields.

All researchers interested in concepts are cordially invited, no matter whether they participate in the summer school.

Any research related to concepts is welcome, and we particularly want to encourage submissions related to our three main topics of representation, learning, and application.

We plan to invite a selection of presentations for publication after the workshop.