

## INVITATION

On behalf of Department of Computer Science, Aarhus University, you are cordially invited to the

### **Inaugural Lecture of Assistant Professor Davide Mottin**

**Friday 15 March 2019 at 15.15**  
**Finlandsgade 21, 8200 Aarhus N., Building 5335-016 (Peter Bøgh Aud.)**

After the lecture, there will be a reception outside the auditorium

#### **Programme**

**15.15**

Welcome and introduction by Head of Department, Professor Kaj Grønbæk

**15.20**

**Lecture by Assistant Professor Davide Mottin**

**16.00**

Reception

#### **Appetizer**

OK Google, I would like to visit a city like Aarhus". A seemingly simple question like this finds only disappointing answers from modern smart devices. The real problem is that the devices cannot interpret what similar means in this context, and therefore resorts to matching word-by-word the question posed by us.

Interestingly, into the heart of these devices lay what is called a knowledge graph, a network of entities, such as cities, people, objects connected through labeled relationships. The question's answer is obtained by physically matching words in the questions with entities and traversing such graph with graph algorithms. Clearly, the original question cannot be obtained by simple matching, but rather treating "Aarhus" as an example of other cities to find.

The lecture will be in English.

Kind regards,



Kaj Grønbæk

Head of Department, Professor

