

## **Vehicle Routing and Logistics Optimization 2020**

### **The 8<sup>th</sup> workshop of the EURO Working Group on Vehicle Routing and Logistics Optimization – (VeRoLog)**

**Hamburg, Germany, June 15--17, 2020**

The VeRoLog conference is an established meeting of the EURO Working Group on Vehicle Routing and Logistics (VeRoLog) Optimization, which brings together the large community of researchers and practitioners interested in vehicle routing optimization and its relationship with logistics. This conference is open to high-quality methodological contributions, relevant real-world applications and case studies from industry and the service sector.

VeRoLog 2020 will be the eighth meeting of the EURO Working Group on Vehicle Routing and Logistics Optimization. It is taking place in Hamburg from June 15 to 17, 2020, as a joint initiative of the Helmut-Schmidt-University/ University of the Federal Armed Forces Hamburg (HSU) and the Kühne Logistics University (KLU).

The meeting will include a joint-event (joint technical session) with ISOLDE 2020, the International Symposium on Location Science, and we are looking forward to this fruitful cooperation with our ISOLDE colleagues.

#### **Conference Venue**

Hamburg, being the second largest city of Germany, is easily accessible by plane, train, and long-distance coaches. It comprises an international airport with a growing number of flight connections, several of which are serviced by low-cost carriers. A public transport network connects pretty much all places of interest within the city of Hamburg, including the airport with the conference venue.

The venue of the event will be the Kühne Logistics University KLU, which is located in the famous Hafen-City district of Hamburg (<http://www.the-klu.org/>).

#### **Abstract Submission**

Submissions to VeRoLog 2020 are in the form of a short abstract, that should be electronically submitted via the conference website (<https://verolog2020.sciencesconf.org/>).

Accepted abstracts, with a registered presenter, will be included in the book of abstracts. At most one presentation per registered participant will be accepted. All selected abstracts will be presented in parallel sessions during the conference.

A list of relevant topics for the conference is provided below. Besides, special issues in prestigious journals will be organized for this conference.

#### **Pre-conference Hackathon**

For the first time in the history of the VeRoLog conference, we plan to offer a pre-conference hackathon. The hackathon will take place on Sunday June 14, 2020 at the conference venue.

A well-renowned company within the field of vehicle routing and logistics optimization will provide an introduction to some of their professional software tools and participants will be able to work on real-life problems with the tools provided by the company. Programming knowledge in one of the

following languages are required to work with the API of the tools: Java, JavaScript, Python or C#. Results of the hackathon will be presented within a special session of the conference.

The pre-conference hackathon is free of charge for registered participants of the VeRoLog conference. For organisational reasons we require participants to sign-up for the hackathon at the time of registration.

### **Organizing Committee**

Andreas Fink (HSU)

Martin Josef Geiger (HSU)

Asvin Goel (KLU)

Florian Jaehn (HSU)

### **Important Dates**

January 31, 2020: Abstract submission deadline

February 28, 2020: Notification of acceptance

April 10, 2020: Deadline for early registration

April 30, 2020: Closing of registration

June 14, 2020: Pre-conference Hackathon

June 15--17, 2020: Conference

### **Registration**

Student: 275 EUR (early) – 375 EUR (late)

Regular: 450 EUR (early) – 550 EUR (late)

The fee includes lunch and coffee breaks, the social program and the conference dinner.

**Relevant Research Topics** include but are not limited to

- Decision support systems in logistics
- State-of-the-art methods for exact solution of routing and logistics optimization problems
- Innovative methods for heuristic solution of routing and logistics optimization problems
- Planning tools and tool-based environments for routing and logistics
- Design and management of logistics infrastructure and networks
- Analysis and evaluation of environmental impact induced by logistics (e.g., air and noise pollution)
- Sustainable design and operations of logistics facilities
- Integrated planning and control of logistic infrastructures
- Analysis of logistics operations

- Heuristics and meta-heuristics implementation in logistics related models
- ERP and information systems related applications in logistics
- Geographic information systems related to routing and logistics
- On board navigation and positioning systems
- Dynamic routing optimization
- Strategies and operations of logistics service providers
- Service integration of agents or carriers within the logistics business
- Consolidation and distribution for agents or shippers within the logistics business
- Cooperation in intermodal supply chains
- Fleet management