

PhD Position in Floating Content and Vehicular Networks

The Institute of Information Systems at the HES SO Valais University, in collaboration with the Communication and Distributed Systems Lab at the University of Bern, invites applications for a fully funded PhD Student position in the area of Floating Content and Vehicular Networks.

The PhD position is within the CONTACT (CONtext and conTent Aware CommunicaTions for QoS support in VANETs) project. The project aims at providing Quality of Service (QoS) support in Vehicular Ad hoc Networks (VANETs) by developing a set of communication techniques which efficiently adapt to the highly volatile and unstable vehicular environment, to content attributes and properties, and to application performance requirements. To this aim, CONTACT will exploit the use of three different emerging approaches: Content-Centric Networking (CCN), Software Defined Networking (SDN), and Floating Content. The CONTACT project will adopt strategies based on the type of content exchanged (alerts, driving coordination, informational) as well as on its context attributes (such as location of origin, geographical range of interest, time of validity).

Requirements :

- Strong, proven interest in performing high quality research;
- Strong background in mathematics and analytical thinking.
- Solid background in wireless networks, and computer networks is desirable, but candidates from other backgrounds are welcome;
- Excellent verbal and written English skills;
- Proficiency in programming (e.g. C/C++, Java, Android, Matlab) is desirable.

The work will be performed in a well-established research group on Floating Content.

The position is based in Sierre, Valais, Switzerland. The monthly salary is of approx. 4000 CHF. The positions is subject to a probation period of three months.

The selected student will be supervised by Dr. Gianluca Rizzo.

For further enquiries please contact him at gianluca.rizzo@hevs.ch

To apply, please send the following material (in English) to contact.phd.hiring@gmail.com:

- A research statement which addresses specifically the topic of the position and documents your motivations (300 words);
- A detailed Curriculum Vitae;
- A transcript of the grades of all courses from Bachelor and Master;
- Copy of all diplomas;
- A short description of your Master's work (max 1 page), with links to material (publications, code, web pages, etc.);
- Publications list;
- Contact information (email) of 3 referees.

Applications are accepted until February 29th, 2016. Applications will be assessed on an ongoing basis, until the position is filled. Hence we reserve the right to close the call before the aforementioned final date.