

The Smart Infrastructure Laboratory at the Institute of Information System, School of Management and Tourism, University of Applied Sciences Western Switzerland (HES-SO) in Sierre, Switzerland has an opening for a highly qualified researcher as a:

PostDoc fellow in Agent-based Social Simulation

- * 2 + 1 more years contract (so in total 3 years with a potential to extend the contract afterwards), 100% position
- * Beginning: January 2018
- * competitive salary

The research will be conducted at the HES-SO Valais / Wallis, and will be related to the work of the Swiss Competence Center for Research in Energy, Society and Transition (SCCER-CREST, <http://www.sccer-crest.ch>) and its Joint Activity „The evolution of mobility: A socio-economic analysis“. The goal of the project is to provide means of Agent-based Social Simulation to study the future demand of mobility in Switzerland, considering not only economic and technical aspects, but also sociological and political factors relevant for the development of future mobility needs and its resulting energy demand. The work will be done in close collaboration with researchers from different disciplines like psychology, sociology, and economy. Therefore, it requires both a strong background in Multi-Agent Systems, preferable in Multi-agent based Simulation, and experience in interdisciplinary work.

At the Smart Infrastructure laboratory (<http://silab.hevs.ch>), we are establishing a research subgroup for Agent-based Economics (ACE) which the PostDoc should bring forward with his experience and high expertise. The group currently has 2 PhD students with long term funding.

Responsibilities for the Postdoc fellow:

- * Leading and developing the ACE research group
- * Coordinating the activities of the existing research group and its interaction within the research projects
- * Performing its own research in the field, e.g. with regards to the calibration of agent-based simulation, or testing of simulation models
- * Disseminating scientific results through scientific publications
- * Participate in the acquisition of additional funding, related to the research group

Your Profile

- * Highly qualified researcher
- * PhD degree in Computer Science or a related discipline
- * Profound knowledge in the field of Multi-Agent Systems, ideally Multi-Agent based Simulation
- * Very strong programming and data analysis skills
- * Experience in interdisciplinary research

Application:

Applications should include the following documents:

- * An introduction letter indicating your motivation
- * A detailed Curriculum vitae
- * A transcript of the grades you received in your Master and in your PhD studies
- * Track of publications
- * A short description of your PhD thesis (1 page)
- * Three references

Please send your application until the 31.12.2017 to

HES-SO Valais-Wallis
Service des Ressources humaines
Route du Rawyl 47, 1950 Sion 2

or via e-mail to Prof. Dr. René Schumann, rene.schumann@hevs.ch

For further inquiries, please contact:

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