

# Postdoctoral fellowship

## Design and development of a collaborative platform supporting modeling and simulation of complex systems

### Context

Nowadays, most of research projects are interdisciplinary and collaborative, and researchers are often geographically distributed. One of the themes of research of the MSI Laboratory ("Modélisation et Simulation Informatique") focuses on the design of collaborative environments for computer modeling and simulation. It aims at developing and deploying methodologies and tools for supporting the collaboration between domain experts, modelers and computer scientists.

One of the goals of this postdoctoral fellowship is to conduct a thorough analysis of techniques and tools used in the field of complex systems modeling in order to elaborate a process appropriated for collaborative modeling. A platform supporting this process will be designed and developed by a development team already in place. The candidate will be in charge of leading this development work.

### Expected work

- To identify the needs in terms of collaborative tools for modeling of complex systems;
- To elaborate an appropriate process for collaboration;
- To design a platform supporting the elaborated process;
- To take the lead of the development team.

### Qualification

- To take the lead of the development team;
- Experience in interdisciplinary research projects and collaborative environments;
- Knowledge on modeling and simulation of complex system;
- A Ph.D. degree in computer science or related domains;
- Knowledge of French (conversation, writing) would be appreciated (in case of equivalent qualifications, the preference will be given to a French-speaking candidate).

### Practical Information

- Duration: 9 months as soon as possible
- Place: MSI Laboratory, IFI (Francophonie Institute for Computer Science).  
Associated to the research unit GEODES of the IRD (French Institute of Research for overseas Development)  
Ha Noi, Viet Nam
- Researchers: Ho Tuong Vinh (IFI), Nicolas Marilleau (IRD)
- Compensation: To be negotiated

### Contact

Send your CV and Motivation letter to:

HO Tuong Vinh

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