



Hugo TALBOT

SOFA Consortium Coordinator

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languages

French - mother tongue
English & German - fluency

programming

C++, Matlab,
Python, Java,
Fortran and Maple

softwares

SOFA, Abaqus,
Ansys and Catia

experience

- Jan.16–Now **Fondation Inria** Strasbourg (France)
SOFA Consortium Coordinator
The SOFA Consortium aims today at gathering partners willing to share the costs of an adequate staffing working on release management, continuous integration, code maintenance and community animation.
- Mar.15–Dec.15 **Inria** Strasbourg (France)
Award at ILAB
As a research engineer, I applied for the ILAB Emergence 2015 with a start-up project: Open-Health Simulation (OHS). This OHS project aimed at generalizing the use of medical simulation in medical schools.
- Aug.14–Dec.15 **Inria-IHU** Strasbourg (France)
Research Engineer
Prototyping of a planning tool for cryosurgery procedures based on an advanced heat transfer model
- Mar.08–Aug.08 **Bombardier Transportation** Hennigsdorf (Germany)
Intership
Development of routines modeling the dynamic behavior of air suspensions using the SIMPACK software

education

- June 2015 **Visiting Post-Doc** Harvard - School of Engineering and Applied Sciences (US)
Heart Valve Simulation
Research on the dynamics of a heart valve using the SOFA framework; Networking with local industrials in the field of medical simulation
- 2010–2014 **Ph.D. in Medical Simulation** Inria, Lille & Inria, Nice (France)
Interactive Patient-Specific Simulation of Cardiac Electrophysiology
Research on cardiac electrophysiology models for real-time simulation; Model personalization for patient-specific simulation of cardiac arrhythmias
- 2004–2010 **Double-Master in Mechanics** INSA, Lyon (France) & KIT, Karlsruhe (Germany)
Binational curriculum in mechanical engineering.
Research projects:
 - Modeling of the human liver (KIT),
 - Model-based brassiere design (INSA Lyon)

management skills

- Open-Source Project Coordination** SOFA Community animation and coordination
- Conference Organization** Member of the Organization Committee for VRIPHYS 2013
- M.S. Intership Supervision** 2016: *Use of meshless methods for cutting simulations*
2013: *Planification tool for cryoablation procedures*
2013: *Simulation of the effect of kidney cryoablation*
2012: *Multigrid methods applied to cardiac electrophysiology*