

## **CURRICULUM VITAE - Tiago Sotto Mayor**



### **EXPERIENCE**

- 2016 – now Principal Investigator, SIMTECH Lab, Engineering Faculty of Porto University, Portugal
- 2013 – 2016 Scientist, Empa, Laboratory for Protection and Physiology, St. Gallen, Switzerland
- 2012 – 2013 R&D Manager, CeNTI, Centro for Nanotechnology and Smart Materials, Solutions Design & Engineering, V. N. Famalicão, Portugal
- 2007 – 2013 Research Coordinator, CeNTI, Product Characterization and Optimization Lab., V. N. Famalicão, Portugal

### **EDUCATION**

- 2003 – 2007 PhD thesis, Department of Chemical Engineering and Biology, FEUP - Engineering Faculty of Porto University (“Hydrodynamics of gas-liquid flows in Slug Flow regime”)
- 1993 – 1999 Chemical Engineering, FEUP, Portugal

### **RESEARCH INTERESTS**

Heat & Mass transport / Thermal physiology  
Transport phenomena in biological tissues  
Fluid Mechanics / Microfluidics  
Modelling / Simulation of Transport Processes  
Performance prediction & Optimization (materials, products & systems)  
Computational Fluid Dynamics (CFD), Finite Element Modelling (FEM)

### **PROFESSIONAL AFFILIATIONS**

Member of the Management Committee of COST ACTION TU1101  
Member of Work Group of COST ACTION TU1303

### **AMBITIONS / INTENDED INPUT / OUTPUT FROM PARTICIPATING IN THE PROJECT**

Ambition is to contribute to the development of strategies to minimize workers’ heat stress  
Input on modelling and simulation of heat & mass transport (e.g. body + clothing + environment)  
Input on performance prediction & optimization (e.g. of materials, products & systems)