

Dr Frédéric ROGER

*Multiphysics modelling of industrial manufacturing processes*

**PERSONAL DATA**

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Place and Date of Birth: Cambrai, France | 01 February 1973

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**WORK EXPERIENCE**

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2013- to date **Institut Mines Telecom Nord Europe**, Douai, France

Professor Multiphysics modelling and simulation, mechanical engineering

2001-2013 **Ecole Nationale Supérieure de Techniques Avancées**, Paristech, Palaiseau, France

Assistant Professor and Professor in mechanical engineering

2011 **King Abdullah University of Science and Technology**, Thuwal, Saudi Arabia

Visiting Professor in composites and heterogeneous materials

**ACADEMIC QUALIFICATION**

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2012 **Habilitation à diriger des recherches**, Université Pierre et Marie Curie, Paris

« Contributions to multiphysics modelling of welding »

2001 **PhD in Mechanical Engineering**, Laboratoire de Mécanique des Solides,

Ecole Polytechnique, Palaiseau, France : « modélisation du soudage à l'arc »

Supervisor: Prof Ky Dang Van

**TEACHING EXPERIENCE**

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22 years University teaching experience in the following modules: Continuum mechanics, Multiphysics modelling, Material Science.

**RESEARCH PROJECT AND SUPERVISION**

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Supervision of 7 PhD students; 2018 Member of the French national committee in section "Physics, chemistry of soft materials, polymers and composites", at the French National Research Agency ;

Scientific coordinator for a French National Research Agency project and a Carnot Mines Project.

**LANGUAGES**

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French (mother tongue), English