

PERSONAL INFORMATION

Ionut VICTOR (usual name VOICU)



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Sex Male | Date of birth 27/07/1978 | Nationality French / Romanian

WORK EXPERIENCE

2009–Present

Associate Professor

University of Caen Normandy (UNICAEN)

- Cherbourg Manche University Institute of Technology -Energy and Thermal Engineering Department
 - Teaching duties: elementary heat transfer (course, tutorial, laboratory), elementary thermodynamics (tutorial, laboratory), bioclimatic design of buildings (course, tutorial), thermal of buildings (course, tutorial), elementary fluid mechanics (laboratory), applied fluid mechanics (course, tutorial), thermal dynamic simulation of buildings (course, tutorial), heat exchangers (course, tutorial), mentoring training, tutored projects supervision
 - Administrative department functions: manager of students work placement (2012-present), manager of international relations (2015-2018), manager of facebook page (2014-2018)
- Applied Sciences Laboratory of Cherbourg (LUSAC)
 - Research: Focused on thermal simulations. Applications on heat exchangers, supercapacitors stack air cooling, solar ORC coupled with a solar thermal panel, low carbon materials, phase change. Axis of the laboratory: Electrical energy systems, flow and heat transfer.

Business or sector Research and Education

2006–2008

Assistant professor

Teaching at Industrial Engineering and Maintenance University Institute of Technology of Saint Malo, University of Rennes1, France

Research at Laboratory of Civil and Mechanical Engineering (LGCGM), INSA Rennes

Business or sector Research and Education

2003–2006

Teaching Contractor

Industrial Engineering and Maintenance Department -University Institute of Technology of Saint Malo, University of Rennes1, France

Business or sector Education

January – march 2004

October – December 2005

Work placement

THERMAUS (Groupe de recherche en thermique et en aérodynamique), Department of Mechanical Engineering, Faculty of engineering, Université de Sherbrooke, Quebec, Canada

Business or sector Research

June 2004–February 2005

Social worker (group leader and night watchman)

A.M.I.D.S. Association, Saint Malo, France

Business or sector Social

EDUCATION

2003–2007 PhD

INSA Rennes, France

- Thesis title: *Convection mixte dans une conduite isotherme et dans un échangeur de chaleur à tubes coaxiaux : Approches numérique et expérimentale*

2002–2003 Master

University of La Rochelle, France

- Civil and Mechanical Engineering Department , Energetic of built environment

1997–2002 License

Technical University of Civil Engineering Bucharest, Romania

- French department of civil engineering; Building services engineering

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
French	C2	C2	C2	C2	C2
DALF C2					

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills Good communication skills gained through my experience as associate professor, assistant professor, teaching contractor and conference speaker

Organisational / managerial skills Good experience in project management gained through the administrative department functions

Job-related skills Expert in heat transfer, thermodynamics, numerical simulation

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Digital competences - Self-assessment grid

Proper handling of: Pleiade-Comfie, Fluent, Ansys, Solkane, Engineering Equation Solver (EES), AutoCAD, Revit

ADDITIONAL INFORMATION

Publications and other indices:

- 14 ISI Journal Papers, 16 Conference Proceedings
- Hirsch Index : 10
- Citations of ISI Papers : 279
- ORCID (<https://orcid.org/>): 0000-0001-8456-5356

Research contracts

CobBauge - INTERREG V A France (Manche) / England (4,12 mEuro) 07/2017-06/2023
 ECOTEC 21 – INTERREG IVA France (Channel) – England, (4,26 mEuro), 2011-2015
 SCOPE-intelligent Solar COLlector with Phase change materials intEgration– PN-III-P2-2.1-PED-2016-1154 (100 kEuro)
 REUSE – Récupération intelligente de l'énergie thermique des eaux usées – AUF+FRS (15 kEuro), Bulgaria-Romania-France, 2019-2021

International participations

Erasmus teaching mobility at Technical University of Civil Engineering, Faculty of Building Services (2012-2017, 5 days / year)

Selected publications

1. I. Victor Voicu, F. Bode, W. Abboud, H. Louahlia, H. Gualous, M. Sandu, I. Nastase, Experimental and numerical study of a supercapacitors stack to Improve Heat Transfer, Applied Sciences, Volume 12(2), Special Issue Urban Sustainability and Resilience of the Built Environments, January 2022, article 662
2. I. Voicu, R. Rizk, H. Louahlia, F. Bode, H. Gualous, Experimental and numerical study of supercapacitors module with air-cooling, Applied Thermal Engineering, Volume 159, august 2019, article 113903.
3. C. Croitoru, I. Nastase, I. Voicu, A. Meslem, M. Sandu, Thermal Evaluation of an Innovative Type of Unglazed Solar Collector for Air Preheating, Energy Procedia, Volume 85, January 2016, Pages 149-155
4. M. Marion, I. Voicu, A.L. Tiffonnet, Study and optimization of a solar subcritical organic Rankine cycle, Renewable Energy, Volume 48, December 2012, Pages 100-109
5. I. Voicu, T. Maré, N. Galanis, J. Miriel, I. Colda, Mixed convection in a vertical double pipe heat exchanger, International Journal of Thermal Sciences, Volume 46, Issue 6, June 2007, Pages 540–550
6. A.A. Chehade, H. Louahlia-Gualous, S. Le Masson, I. Victor, N. Abouzahab-Damaj, Experimental investigation of thermosyphon loop thermal performance, Energy Conversion and Management, Volume 84, August 2014, Pages 671-680
7. H. El Mghari, M. Asbik, H. Louahlia-Gualous, I. Voicu, Condensation heat transfer enhancement in a horizontal non-circular microchannel, Applied Thermal Engineering, Volume 64, Issues 1–2, March 2014, Pages 358-370