



**The Combustion Institute**

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**Luc Vervisch**

*2022 Candidate Profile: The Combustion Institute Board of Directors*

**Reasons for Nomination**

Flames are everywhere and combustion is a fantastic playground for scientists and engineers. Promoting and fostering interest for combustion science to the youngest in academia is essential for securing a smooth pathway toward the energy transition from a fossil-based to a zero-carbon society. The Combustion Institute plays a central role along these lines. Over the past 30 years, I enjoyed contributing to combustion science interacting with graduate students and colleagues from both academia and industry. I would to my best to be useful to the Board of the Combustion Institute, to help maintaining the strength and the exposure of our community and to envisioning the future of combustion science and of its dissemination.

*See the next page for the candidate's curriculum vitae.*



March 16, 2022

## Luc VERVISCH

*Professor at National Institute of Applied Sciences (INSA) Rouen Normandy, France & CNRS CORIA*

### Research activities in modeling and numerical simulation of combustion and flames

Date of birth: Dec 7th, 1964

### Educational Background

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1989 M.Sc.	Aerothermochemistry	University of Rouen
1989 Gold-Medal	Music	Conservatory of Haute-Normandie
1991 PhD	Mechanical Engineering	National Hydraulic Laboratory (EDF/DER) Chatou & University of Rouen
1992 Post-Doc	Mechanical Engineering	Stanford University <i>Center for Turbulence Research</i>
1996 Habilitation	Mechanical Engineering	University of Rouen

### Awards and fellowships

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1996 – Present	French Scientific Excellence Fellowship (PES/PEDR)
1994/98/2006/08/10/12/14/16	Visiting Scholar of Center for Turbulence Research <i>Summer Program participant, Stanford University, USA</i>
2003 – 2008	Junior chair, Institut Universitaire de France (IUF)
2014 – 2019	Senior chair, Institut Universitaire de France (IUF)
2015	Prix Jaffé of the French Academy of Sciences
2016	Member of Ordre des Palmes Académiques (Chevalier)
2018	Fellow of The Combustion Institute
2018 – 2020	Mercator Fellow (DFG), TU Darmstadt, Germany <i>Simulation of Reactive Thermo-Fluid Systems</i>

### Publications and communications

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- Links to publications list: - [Google Scholar: luc.vertisch@insa-rouen.fr](https://scholar.google.com/citations?user=luc.vertisch@insa-rouen.fr)
- [Researcher ID \(WoS\): S-5440-2016](https://www.researcherid.com/rid/S-5440-2016)
- [ORCID: 0000-0003-0313-2060](https://orcid.org/0000-0003-0313-2060)

### Editorial, Institutional and other Service

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2003 – 2015	Co-Editor - <i>Flow Turbulence and Combustion</i>
2002 & 2004	Colloquium Co-Chair <i>Turbulent Flames</i> International Symposium on Combustion
2003 – 2008	Member of Editorial Board - <i>Combustion and Flame</i>
2003 – 2013	Member of Editorial Board - <i>Journal of Turbulence</i>
2016 – Present	Member of Editorial Advisory Board - <i>Flow Turbulence and Combustion</i>
2016 – Present	Co-Editor of BPG ERCOFTAC <i>Computational Fluid Dynamics of Turbulent Combustion</i>
2012 – 2014	Director of the Research (VP) <i>INSA Rouen Normandie</i>
2005/06/07/11/13	Member of National Experts Committee for Scientific Excellence Fellowship
1999 – 2002	Member of National University Council (CNU-62) <i>Energetics and Chemical Engineering</i>
2008 – 2011	Member of National University Council (CNU-60) <i>Mechanical and Civil Engineering</i>
2000 – 2002	Combustion expert for DGAC-BEA – Concorde Gonesse accident
2008 – 2016	President of Reactive and multi-phase flow Technical Committee <i>GENCI – Tier-1 French Computing facilities</i>
2019 – 2021	Clean Energy Committee <i>Agence Nationale de la Recherche FR</i> (Vice president, 2021)
2000 – 2010	Scientific advisor: <i>AIR LIQUIDE</i>
2007 – 2009 – 2015	<i>VERON &amp; ASSOCIES</i>
2004 – 2020	<i>RHODIA - SOLVAY</i>
2016 – Present	<i>IFP Energies Nouvelles</i>
2017 – Present	<i>NUMECA - CADENCE</i>