

Press release

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Jean-Noël Jaubert to receive EFCE Michael L. Michelsen Award

Jean- Noël Jaubert has been named as the recipient of the prestigious **Michael L. Michelsen Award** for thermodynamics by the European Federation of Chemical Engineering (EFCE).

Jaubert is a pioneer of applied thermodynamics and professor of chemical engineering and thermodynamics at the École Nationale Supérieure des Industries Chimiques (ENSIC), an elite school of chemical engineering at the University of Lorraine.

The Michael L Michelsen Award honours a senior member of the thermodynamics community and is presented by the EFCE Working Party on Thermodynamics and Transport Properties.



Prof Grazia de Angelis, chair of the Working Party, said: "Prof. Jaubert has contributed from the very beginning to the activities of the Working Party on Thermodynamics and Transport Properties. He has been the inspirator of the thermodynamic community in France, by founding and leading the French working party since 2009. As such, he has organized several national workshops as well as international conferences. He is a very active member of the International Scientific Committee of the European Symposium on Applied Thermodynamics (ESAT), and was the lead organizer of ESAT in 1997 and 2008."

Jaubert is cited among the world's top 2% of scientists in the 2020 Stanford-Elsevier list of the world's most-cited scholars. His research centres on developing accurate cubic equations of state, which remain a highly used set of models in many industries. Jaubert's work includes measuring and correlating vapour liquid equilibria at high pressures, developing mixing rules and articulating the concept of entropy scaling to correlate transport properties. His recent work to understand the temperature dependency of the models, with proposed criteria for investigating this, has already received significant attention. He has also been working on complex algorithms to compute global phase diagrams, particularly with regards to stability analysis – an area directly linked to the work of Professor Michelsen.

He has mentored several researchers who are now leading researchers in the field and organised national workshops and international conferences.

Jaubert promotes the application of his work in industry and his analysis and improvement of cubic equations of state, both for pure components and mixtures, are now used in several industrial process simulators. His work finds applications in energy and carbon capture and storage.

The 2024 Michael L. Michelsen Awardee is supported by Elsevier and its journal *Fluid Phase Equilibria*.



Jean- Noël Jaubert has been invited to present the Award lecture on 9 June 2024 at the 33rd European Symposium on Applied Thermodynamics - ESAT 2024 which will be held in Edinburgh, United Kingdom, on 9-12 June 2024.

The **Michael L. Michelsen Award** - previously called Distinguished Lecture on Thermodynamics and Transport Properties and re-named in recognition of its second laureate, the distinguished Professor Michael L. Michelsen (Denmark) - aims to honour a senior member of the community that is active in a European institution. The award is presented every two years by the EFCE Working Party on Thermodynamics and Transport Properties.

Ends

Related links

EFCE media centre (<http://www.efce.info/News>)

33rd European Symposium on Applied Thermodynamics - ESAT 2024 (<https://www.esat2024.eng.ed.ac.uk/>)

EFCE Working Party on Thermodynamics and Transport Properties (https://efce.info/WP_TTP)

Notes to media:

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About EFCE

Founded in 1953, The European Federation of Chemical Engineering (EFCE) is a non-profit-making association, whose object is to promote co-operation in Europe between non-profit-making professional scientific and technical societies in 30 countries for the general advancement of chemical engineering and as a means of furthering the development of chemical engineering. See www.efce.org

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