

## Press release

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### **Prestigious Michael L. Michelsen Award presented to Signe Kjelstrup**

**Professor Techn. Signe Kjelstrup**, Norway, has been named the laureate of the **2022 EFCE Michael L. Michelsen Award**.

Kjelstrup was conferred the award by the EFCE Working Party on Thermodynamics and Transport Properties in recognition of her internationally renowned research in the area of non-equilibrium thermodynamics, with emphasis on entropy production minimization, electrochemical cell modelling, heterogeneous systems and nano-thermodynamics. The judges highlighted her contribution to the development of novel important research in the field and her strong commitment to education and training, in her country and internationally.



She said: "I am completely overwhelmed; never believing that this honor would be mine. I could not imagine anything better at this point in my career."

Signe Kjelstrup dr. techn. et dr. ing. is professor emerita in physical chemistry at the Norwegian University of Science and Technology (NTNU, Trondheim). She served nine years as adjunct professor in irreversible thermodynamics and sustainability at TU Delft, and has been guest professor at Kyoto University, ETH Zürich and the Universities of Barcelona, Leiden and Rochester, USA. She has co-authored three monographs on non-equilibrium Thermodynamics and written 380 peer reviewed articles, supervised 32 PhDs and 61 MSc. Her Hirsch index is 55. She is a member of the Norwegian Academy of Science and Letters, The Royal Norwegian Academy of Technological Sciences, and Academia Europaea. She received the Nansen award for young scientists in 1982, and the Guldberg Waage award in 2014. Over the years she was appointed to several Norwegian Governmental Committees and served in the executive board of the Norwegian Research Council. She was leader of the graduate council of NTNU and is presently the leader of PoreLab Center of Excellence Graduate School.

Nominating her for the Award, Prof. Øivind Wilhelmsen wrote: "Signe is a role model, bridge-builder and a pioneer. For decades, she has been a leading profile in the field of nonequilibrium thermodynamics. This is a field that is crucial in a world with a screaming demand for new energy solutions, increased understanding of porous media and emerging fields such as nanotechnology. ... Signe is a great inspiration for us younger scientists and after more than 50 years of diligent and internationally leading research within her field, a field which has been dominated by males, she is a most deserving candidate for the Michael L. Michelsen Award."

The 2022 Michael L. Michelsen Awardee is supported by Elsevier and its journal *Fluid Phase Equilibria*.



**ELSEVIER**

Signe Kjelstrup has been invited to present a keynote lecture at the 32<sup>nd</sup> European Symposium on Applied Thermodynamics - ESAT 2022 which will be held in Graz, Austria, on 17-20 July 2022.

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>)

32<sup>nd</sup> European Symposium on Applied Thermodynamics - ESAT 2022  
(<https://www.tugraz.at/events/esat2022/home/>)

EFCE Working Party on Thermodynamics and Transport Properties  
([https://efce.info/WP\\_TTP](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](http://www.efce.org)

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