

## Press release

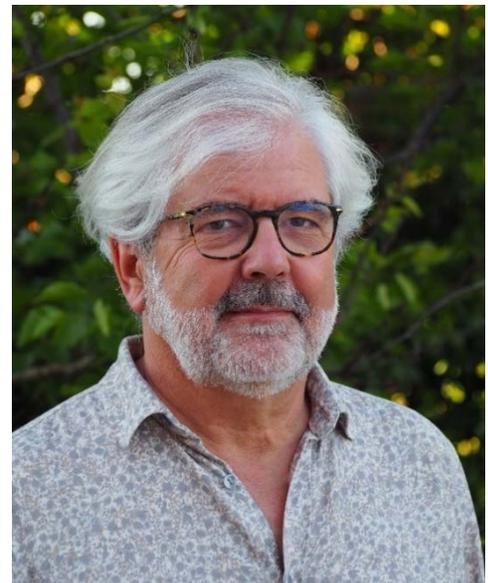
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<http://www.efce.org>

### **Prestigious Lifetime Recognition Award in Mixing presented to Alain Liné**

**Professor Alain Liné**, France, has been named the laureate of the European Federation of Chemical Engineering's **2023 Helen and Alvin Nienow Lifetime Recognition Award in Mixing** for his outstanding contribution to the advancement of mixing science, to the recognition of the importance of mixing in the European chemical engineering community and to the appreciation of its industrial significance.



Alain Liné has been Professor of Fluid Mechanics in the Department Chemical Engineering & Environment at the National Institute of Applied Sciences of Toulouse (INSA Toulouse) in France since 1994. He has written 90 peer-reviewed articles, supervised 30 PhDs and refereed more than 80 PhDs in France and 25 PhDs abroad. He was involved in the direction teams of the LIPE (Laboratoire d'Ingénierie des Procédés pour l'Environnement) and LISBP (Laboratoire d'Ingénierie des Systèmes Biologiques et des Procédés) laboratories from 1999 to 2009. He was scientific advisor in the Sciences & Technology Research Department at the High Council for the Evaluation of Research and Higher Education in France from 2017 to 2022. In addition to his teaching activities at INSA Toulouse, where he focuses on transport phenomena, momentum transfer and turbulence, multiphase flow, applied mathematics and computational fluid dynamics, he was co-author of a book on transport phenomena with Jean-Pierre Couderc and Christophe Gourdon. He is a member of the EFCE Working Parties on Multiphase Fluid Flow and Mixing. His main research activities include experimental research and modelling in mixing, (applications in bioreactors); experiments and two-phase flow modelling of gas-liquid reactors (mainly applied to Drinking Water Virtual Plant™); population balance modelling (mainly flocs and aggregates); and experiments and 1D modelling of multiphase flow in pipelines.

Nominating him for the award, Professor Jérôme Morchain wrote: "In our research group, Alain Liné has contributed to and developed a rigorous culture in fluid mechanics applied to mixing, mass transfer and reaction. I have always seen him go to his library to extract reference studies, which he seems to know off by heart. His advanced

knowledge of turbulence is incomparable when it comes to analyzing experimental measurements. Indeed, Alain Liné is above all a researcher with a passion for experiments, for which he has always devoted more than half of his working time. [He has a] little-known ability to laugh at himself, which I believe is a quality of great scientific minds, of those who know how to look at each question with the same freshness, marvel at the strange links that connect things together and then smile at so much mystery."

Alain Liné was invited to present a lecture at the 17<sup>th</sup> European Conference on Mixing, which was held in Porto, Portugal, on 2-5 July 2023.

Since 2021, the Lifetime Recognition Award is generously **sponsored by Alvin and Helen Nienow**.

Professor Alvin W Nienow, DSc, FICHEME, FEng († 5 November 2022) was a member of the Organizing Committee of the First European Mixing Conference in 1974. Since that time, he was on the Organizing or Scientific Committee and contributed technically to the Conference series and to mixing research and practice as such. He was also a winner of the 2nd LRA in 2003 when it was sponsored by Ekato. He and his wife Helen count many people in Europe and world-wide working in mixing as their friends. Alvin and Helen has sponsored this prize since 2021 in recognition of the contribution that mixing in general and the European mixing community in particular has made to enhance the quality of their lives.

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### **Related links**

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

17th European Conference on Mixing (<http://mixing17.eu/>)

EFCE Working Party on Mixing ([https://efce.info/WP\\_Mixing.html](https://efce.info/WP_Mixing.html))

### **Notes to media:**

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### **About chemical engineers**

Chemical, biochemical and process engineering is the application of science, maths and economics to the process of turning raw materials into everyday products. Professional chemical engineers design, construct and manage process operations all over the world. Oil and gas, pharmaceuticals, food and drink, synthetic fibres and clean drinking water are just some of the products where chemical engineering plays a central role.

## **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)