



# ME Seminar



## Transformation of Academic Publishing to Open Access

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### ABSTRACT

The digitization of journal publishing, together with an increased interest in having results of public funded research openly available, has led to major changes in publishing practices. A clear move from 'Pay to Read' to 'Pay to Publish' is underway, demanding a newly structured financial flow. Moreover, quality assurance through the established peer-review process is clearly at stake. In a recent study, the Wissenschaftsrat of Germany has put forward recommendations how this dramatic transformation can best be managed, many of which are applicable globally.

In this talk the need for transformative agreements, the role of the various stakeholders (researchers, scientific institutions, research funders, libraries) and new approaches to the cost distribution and business models will be discussed. Prof. Tropea delivers this talk as a researcher, as an Editor-in-Chief of a large SpringerNature journal and as a member of the committee having drafted the recent white paper on this subject from the Wissenschaftsrat. The white paper *Recommendations on the Transformation of Academic Publishing: Towards Open Access* is available at: [https://www.wissenschaftsrat.de/download/2022/9477-22\\_en.html](https://www.wissenschaftsrat.de/download/2022/9477-22_en.html).

### ABOUT THE SPEAKER

Cameron Tropea graduated from the University of Toronto in Engineering Sciences, followed by a Masters degree in Mechanical Engineering (1977). He completed his Dr.-Ing. in Civil Engineering at the Technical University of Karlsruhe (1982) and his Habilitation in Fluid Mechanics at the University of Erlangen-Nürnberg (1991) where he was appointed as Professor of Fluid Mechanics until 1997. This was followed by an appointment to his current position at the Institute of Fluid Mechanics and Aerodynamics at the Technische Universität Darmstadt. Since 2003 Editor-in-Chief of the Springer journal *Experiments in Fluids* and past Director of the Center of Smart Interfaces (CSI) in the period 2007-2014, his research interests include Optical Measurement Techniques in Fluid Mechanics, Interfacial Transport and Wetting Phenomena, Atomization and Spray Processes and Unsteady Aerodynamics. He has been a member of the German Scientific Commission of the Council of Science and Humanities (Wissenschaftsrat) in the period 2016-2022. A complete CV can be found at [https://www.sla.tu-darmstadt.de/sla/mitarbeiterliste\\_sla/mitarbeiter\\_sla\\_details\\_5974.de.jsp](https://www.sla.tu-darmstadt.de/sla/mitarbeiterliste_sla/mitarbeiter_sla_details_5974.de.jsp).



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