

## Gastvortrag/Guest Lecture

# Tips for Successful Research Publications An Engineering Perspective

Professor Dr.-Ing. Jose Rodriguez

(Rektor der Universidad Federico Santa Maria (UTFSM), Valparaiso, Chile)

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In modern academia the research performance of institutions, academics, researchers, and graduate students is primarily measured by the number of publications, and increasingly by their impact (measured by the number of citations and the Hirsch factor). This has increased the pressure to publish and turned the peer review process in top scientific journals more competitive and selective. Nevertheless, it is common to see excellent research work poorly presented or even submitted to the wrong journal, leading to a lower research impact, meaning fewer citations, or even rejection.

This presentation shares some reflections and guidelines and provides an engineering perspective on how to improve the quality and impact of the publication of good research works. Topics addressed include:

- What is a good paper?
- Publications quality and impact
- Elements of a paper: content, style, format
- How to write a good paper



Dr.-Ing. Jose Rodriguez received his degree in electrical engineering from the Universidad Federico Santa Maria (UTFSM), Valparaiso, Chile, in 1977 and the Dr.-Ing. degree in electrical engineering from the University of Erlangen, Germany, in 1985.

He has been with the Department of Electronics Engineering, University Federico Santa Maria since 1977, where he is currently full professor and rector. He has co-authored more than 350 journal and conference papers. He is the director of The Advanced Center for Electrical and Electronic Engineering at UTFSM, one of the research centers of excellence in Chile. His main research interests include multilevel inverters, new converter topologies, control of power converters, and adjustable-speed drives.

Prof. Rodriguez is an Associate Editor of the IEEE Transaction on Power Electronics, Industrial Electronics, and Industrial Informatics. He has received 5 Best Paper Awards from different IEEE Journals, listed as the most cited author in the last 5 years in Electrical and Electronic Engineering according to MS Academic, and included in the list of The World's Most Influential Scientific Minds 2014 by Thomson Reuters. Prof. Rodríguez is Fellow of the Chilean Academy of Engineering and Fellow of the IEEE.