



Computational Methods and Engineering Solutions to Voice

Guest Editor:

Prof. Dr. Michael Döllinger

Division of Phoniatics and
Pediatric Audiology at the
Department of
Otorhinolaryngology Head &
Neck Surgery, University Hospital
Erlangen, Friedrich-Alexander-
University Erlangen-Nürnberg,
Waldstrasse 1, 91054 Erlangen,
Germany

Deadline for manuscript
submissions:

closed (31 May 2019)

Message from the Guest Editor

Dear Colleagues,

Today, voice and speech research is by far not limited to acoustic, medical and clinical studies and investigations. Approaches from different fields like mathematics, computer science, fluid dynamics, mechatronics and biology are widely applied to achieve new insight into and better understanding of the physiological and pathological laryngeal processes within voice and speech production. Based on fruitful interdisciplinary working research groups, many new approaches have been suggested during the last decade. This includes for example highly advanced numerical models (FEM/FVM models) as well as tissue engineering and data analysis approaches. The purpose of this Special Issue is to provide an overview of the newest and most innovative techniques applied in our field. Young colleagues are especially encouraged to submit their work. Authors are invited to submit their work related to the topics, applying mathematical, engineering, computer science and biological methods, within the field of voice and speech production.

Prof. Dr. Michael Döllinger
Guest Editor





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo

Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

Contact Us

Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
applsci@mdpi.com
[X@Applsci](https://twitter.com/Applsci)