# 23rd International Congress on Acoustics (ICA 2019)

Aachen, Germany 9-13 September 2019

Volume 1 of 11

# **Editors:**

Martin Ochmann Michael Vorländer Janina Fels

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# Proceedings of the ICA 2019 / EAA Euroregio

23rd International Congress on Acoustics, integrating 4th EAA Euroregio 2019 9 - 13 September 2019, Aachen, Germany

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