



CENICS 2024

The Seventeenth International Conference on Advances in Circuits, Electronics
and Micro-electronics

November 3rd - 7th, 2024

Nice, France

CENICS 2024 Editors

Petre Dini, IARIA, USA/EU

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571

Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2024) by International Academy, Research, and Industry Association (IARIA)
Please refer to the Copyright Information page.

Printed with permission by Curran Associates, Inc. (2025)

International Academy, Research, and Industry Association (IARIA)
412 Derby Way
Wilmington, DE 19810

Phone: (408) 893-6407
Fax: (408) 527-6351

petre@iaria.org

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2633
Email: curran@proceedings.com
Web: www.proceedings.com

Table of Contents

Towards a Low Cost, Microcontroller-Based Class-D Audio Amplifier
Erik Genthe, Timm Bostelmann, and Sergei Sawitzki

1