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Roch, A. ; Cuniberti, G.; Van Nong, Ngo; Rosendahl, Lasse; Aucher, C. ; Tervo, J. ; Linke, S. ; Koch, S. ; Casanelles, E. ; Herndl, T. ; Enkeshafi, A. A. ; Deutschmann, B.

Published in:

Book of Abstracts - 34th Annual International Conference on Thermoelectrics (ICT 2015) and 13th European conference on Thermoelectrics (ECT 2015)

Publication date:

2015

Document Version

Publisher's PDF, also known as Version of record

[Link back to DTU Orbit](#)

Citation (APA):

Roch, A., Cuniberti, G., Van Nong, N., Rosendahl, L., Aucher, C., Tervo, J., ... Deutschmann, B. (2015). The NanoCaTe Project: Nano-carbons for versatile power supply modules. In Book of Abstracts - 34th Annual International Conference on Thermoelectrics (ICT 2015) and 13th European conference on Thermoelectrics (ECT 2015) [PA104]

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BOOK OF ABSTRACT

**34TH ANNUAL INTERNATIONAL CONFERENCE
ON THERMOELECTRICS (ICT 2015)**

AND

**13TH EUROPEAN CONFERENCE
ON THERMOELECTRICS (ECT 2015)**

JUNE 28TH – JULY 2ND, 2015 DRESDEN, GERMANY



WWW.CPFS.MPG.DE/ICT2015

PA104

The NanoCaTe Project: Nano-carbons for versatile power supply modules

A. Roch¹, G. Cuniberti², N. V. Nong³, L. Rosendahl⁴, C. Aucher⁵, J. Tervo⁶, S. Linke⁷, S. Koch⁸,
E. Casanelles⁹, T. Herndl¹⁰, A. A. Enkeshafi¹¹, B. Deutschmann¹²

¹ Fraunhofer Institut für Werkstoff- und Strahltechnik, Winterbergstraße 28, 01277, Dresden, Germany

² Technische Universität Dresden, 01069 Dresden, Germany

³ Department of Energy Conversion and Storage, Technical University of Denmark, DTU Risø Campus, Frederiksborgvej 399, 4000 Roskilde, Denmark.

⁴ Department of Energy Technology, Aalborg University, Pontoppidanstræde 101, DK-9220 Aalborg, Denmark

⁵ Energy Storage Area, Devices, Design and Engineering, LEITAT Technological Center, 08225 Terrassa (Barcelona), Spain

⁶ VTT Technical Research Centre of Finland Ltd, Tietotie 3, Espoo, Finland

⁷ INVENT GmbH, Christian-Pommer-Straße 34, D-38112 Braunschweig, Germany

⁸ Quick-Ohm Küpper & Co. GmbH, Unterdahl 24 B, D-42349 Wuppertal, Germany

⁹ KIM Knowledge innovation market, Venezuela 103, 08019 Barcelona, Spain

¹⁰ Infineon Technologies Austria A, Graz, Austria

¹¹ Alpcorn, Business Park Nord, Østre Ålle 6, DK-9530 Støvring, Denmark

¹² Institut für Elektronik, Technische Universität Graz, Inffeldgasse 12, 8010 Graz, Austria

*e-mail of presenting author: aljoscha.roch@iws.fraunhofer.de

NanoCaTe, a project co-financed by the European Commission, is focused on innovative flexible thermoelectric materials, based on standard and modified nanocarbon materials like graphene or carbon nanotubes. Twelve partners from Austria, Denmark, Finland, Germany, and Spain develop materials for thermoelectric energy harvesting and energy storage for manifold applications like pulsed sensors or mobile electronic devices.

The integration of the developed materials into harvester and storage devices is a further step to characterize the performance of the innovative materials.

Finally, a demonstrator consisting of harvester, storage and energy management represents a self-sustaining, universally usable, and maintenance-free power supply.

The project strengthens the position of Europe in the field of thermoelectric and storage materials by developing devices with increased lifetime produced by cost-efficient technologies and therefore contributing to a further promotion of cleaner energy technologies.

For detailed information visit <http://nanocate.eu/>