

**K. Berns, C. Schindler, K. Dreßler, B. Jörg,  
R. Kalmar, and G. Zolynski (Eds.)**

## **Commercial Vehicle Technology 2012**

Proceedings of the  
2<sup>nd</sup> Commercial Vehicle Technology Symposium  
(CVT 2012)

March 13-15, 2012  
University of Kaiserslautern  
Kaiserslautern, Germany

Shaker Verlag  
Aachen 2012

**Bibliographic information published by the Deutsche Nationalbibliothek**

The Deutsche Nationalbibliothek lists this publication in the Deutsche Nationalbibliografie; detailed bibliographic data are available in the Internet at <http://dnb.d-nb.de>.

Cover photo © John Deere

Copyright Shaker Verlag 2012

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without the prior permission of the publishers.

Printed in Germany.

ISBN 978-3-8440-0798-5

ISSN 0945-0742

Shaker Verlag GmbH • P.O. BOX 101818 • D-52018 Aachen

Phone: 0049/2407/9596-0 • Telefax: 0049/2407/9596-9

Internet: [www.shaker.de](http://www.shaker.de) • e-mail: [info@shaker.de](mailto:info@shaker.de)

## **Commercial Vehicle Technology 2012 – Abstract**

The proceedings of Commercial Vehicle Technology 2012 are a collection of publications for the 2nd CVT Symposium in Kaiserslautern. As in 2010 numerous submissions focusing on current developments in the field of commercial vehicles have been composed into an interesting and informative collection.

The contributions are of interest for mechanical engineers, electrical engineers and computer scientists working in industry and academia and show the current state-of-the-art in this field.

The contents of the publications span the topics product development, human-machine interaction, operational stability, electronics and software, lightweight design, assistance systems and sensors processing, vehicle-ground interaction, energy efficiency, vehicle simulation, safety and reliability, environment protection and emission reduction, and commercial vehicle industry trends.

The conference is held on March 14 to 16 2012 at the University of Kaiserslautern and is expecting the attendance of many renowned scientists and representatives of industry.