

International Automotive Body Congress (IABC 2017 Frankfurt)

Papers

Frankfurt, Germany
13 - 14 June 2017

Editors:

M. Nasim Uddin

Rafiq Uddin

ISBN: 978-1-5108-4470-4

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© (2017) by Global Automotive Management Council (GAMC)
All rights reserved.

Printed by Curran Associates, Inc. (2017)

For permission requests, please contact Global Automotive Management Council (GAMC)
at the address below.

Global Automotive Management Council (GAMC)
5340 Plymouth Road, Suite 205
Ann Arbor, Michigan, USA 48105

Phone: (734) 997-9249

Fax: (734) 786-2242

samanthaj@gamcinc.com

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

Hot Forming of Zinc Coated Press Hardening Steel. Characterisation of Forming Behaviour and New Process Routes for Mass Production	1
<i>R. Kelsch, A. Sommer, F. Gerstner, H. Schwinghammer, K. Radlmayr, T. Kurz, G. Luckeneder, J. Faderl</i>	
Innovative Joining Solutions with Laser Seam Stepper and Fiber Laser	7
<i>B. Kessler, J. Schanz</i>	
High Performance Cutting of 3D Automotive Parts by Robot Based Solutions	12
<i>T. Scheller</i>	
Stamping Assessment of Various 980 and 1180 MPa Steel Grades	22
<i>K. Schmid, J. Coryell</i>	
3D Roll Forming Center for Rapid Prototyping of Automotive Parts	40
<i>A. Sedlmaier, T. Dietl, J. Harrasser</i>	
State of the Art Review of Aluminium Joining Technologies for High Volume Production	48
<i>S. Smith</i>	
New Arc-Spot Joining Process for Dissimilar/Similar Metal Joints of Aluminum and High-Speed Steel Sheets	59
<i>R. Suzuki, K. Maki, Z. Yamaguchi, K. Kajihara</i>	
Author Index	