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Presentations

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Technical Tours - Monday, June 16, 2014 Leave Sheraton Offenbach 8:00 am Transportation will be provided	
Technical Tours: TRUMPF Laser Systems & Porsche Manufacturing Plant Host: Klaus Loeffler, <i>TRUMPF</i> 8:00 am – 7:30 pm Transportation Will Be Provided by TRUMPF	Technical Tours: Trumpf Laser Systems & Porsche Manufacturing Plant Host: Klaus Loeffler, <i>TRUMPF</i> 8:00 am – 7:30 pm Transportation Will Be Provided by TRUMPF
8:00 am Pick up at the Sheraton Offenbach by TRUMPF	1:30 pm Transfer to Porsche, Feuerbach
10:00 am Arrival at TRUMPF Ditzingen – Welcome & Coffee	2:00 pm Manufacturing Tour at Porsche
10:15 am Company Presentation at VZ	
10:30 am Presentations: <ul style="list-style-type: none"> • Trends in Laser technology in the automotive industry • Presentation of Industry Management Automotive 	4:00 pm Tour of Porsche Plant Ends, Return to Offenbach Sheraton by TRUMPF
11:00 am Live Demonstration at VZ <ul style="list-style-type: none"> • TruLaser 3030 fiber • TruBend Cell 7000 	
11:30 am Live Demonstration at LAC <ul style="list-style-type: none"> • SV LSN B-Säule • LSW Tief (TruLaser Cell 7040 CO2) 	
12:30 pm Lunch at the TRUMPF Restaurant	7:30 pm Arrive at Offenbach

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Program - Tuesday, June 17, 2014 Registration 8:30am – 9:00 am		To register and exhibit call (734) 997-9249, email to info@gamcinc.org or fax (734) 997-9443. SPONSORED BY    
BIW Design, Engineering, & Manufacturing Room: Peter Georg D'Orville – 9:00 am to 12:15 pm Session Chair: Lothar Teske, Manager, General Motors	Materials Optimization & Product Introduction Room: Peter Georg D'Orville - 1:30 pm to 5:30 pm Session Co-Chairs: Boris Kuenkler, PhD, Manager, Opel Sullivan Smith, Principal Project Leader & Automotive Program, Manager, TWI	
9:00 am Welcome & Introductions**P IC** Lothar Teske Manager General Motors	1:30 pm Engineering Basics and a Reappraisal of Old Test Results Lead to Radical Improvements in the Quality of Rivet Joints**58 Sumanjit Singh, PhD <i>Audi/Consultant</i> Baris Gökce, PhD, <i>Afyon University</i> Nigel Scotchmer, <i>Huys Industries</i>	
9:15 am Optimized Layout of Long-Fiber Reinforced Plastic Components using CAE Methods**3 Florian van de Loo, PhD, Thorsten Schuetz, PhD <i>Adam Opel AG</i>	2:00 pm Lightweight Door Ring Concepts for Improved Crashworthiness and Material Utilization**82 Ivan Viaux <i>ArcelorMittal</i>	
9:45 am New Developments in Sheet Metal Forming - The Basis for Efficient Virtual Prototyping**34 Harald Porzner <i>ESI Group</i>	2:30 pm Cost/Mass Reduction Utilizing Blank Welding**9; Jim Evangelista <i>Shiloh</i>	
10:15 am Break	3:00 pm Break	
10:45 am Crack Free Remote Laser Welding of AA6xxx Closures**48 Sullivan Smith <i>TWI Ltd</i>	3:30 pm A New Simulation Tool can Predict Crash Ductility of Hot-Stamped Laser Welded Blanks and Proves the Need of Dedicated Process in Severe Crash Conditions**1; Sadok Gaied, PhD Ivan Viaux, PhD <i>ArcelorMittal</i>	
11:15 am Aluminum Edge Stretching Limit Experimental Study Using Notched Coupon Tensile Tests**P IC Changqing Du, PhD, Yongjun Zhou, PhD, Dajun Zhou, PhD <i>Fiat Chrysler Automobile</i> Aukury Cowart PhD, Rodrigue Narainen, PhD, Xu Chen, PhD Lianxiang Yang, PhD <i>Oakland University</i>	4:00 pm The New Opel Cascada Convertible**326 Boris Kuenkler, PhD <i>Adam Opel AG</i>	
11:45 am Q&A Panel Discussion	4:30 pm Strategies for Eco and Sustainable factories: The EMC2-Factory Experience**P IC Valeria Serpi <i>Comau</i>	
12:15 pm Session Adjourned & Networking Lunch	5:00 pm Q&A Panel Discussion	
12:15 pm Session Adjourned	5:30 pm Session Adjourned	

Technical Tour - Wednesday, June 18, 2014	
Technical Tours: Audi A3 Plant Visit 9:00 am – 12:00 pm Host: Arne Lakeit vice president of manufacturing engineering Fraunhofer LBF Host: Andre Neu, PhD, <i>Fraunhofer LBF</i> 2:00 pm – 9:00 pm Transportation Will NOT Be Provided	Technical Tour: Fraunhofer LBF Host: Andre Neu, PhD, <i>Fraunhofer LBF</i> 12:00 pm – 9:00 pm Transportation Will NOT Be Provided
9:30 am: Pilot Plant N2: Joining Technologies for Aluminum and Variable Materials; Application of Aluminum in BIW (Dr. Bernd Mlekusch) 10:15 am: Transfer N2 -> N60.2 10:30 am: Guided Tour Through the New Body Shop N60.2 (Mr. Holger Hamann)	12:00 pm: Depart Audi 9:00 pm: Depart from Fraunhofer LBF
Travel Day - Thursday, June 19, 2014	
Travel Day to Dresden Transportation Will NOT Be Provided	Travel Day to Dresden Transportation Will NOT Be Provided
Technical Tour - Friday, June 20, 2014	
Technical Tour: Fraunhofer IWS - Dresden Host: Anja Techel, PhD, <i>Fraunhofer IWS</i> 10:00 am – 2:00 pm Transportation Will NOT Be Provided	Technical Tour: Fraunhofer LWS - Dresden Host: Anja Techel, PhD, <i>Fraunhofer IWS</i> 10:00 am – 2:00 pm Transportation Will NOT Be Provided
10:00 am: Arrive at Fraunhofer IWS	2:00 pm: Depart from Fraunhofer IWS

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