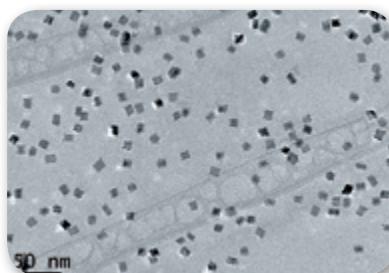


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<b>09:00</b> Registration	
<b>10:00</b> Welcome Address G. Sextl <sup>1</sup> ; <sup>1</sup> Fraunhofer-Institut für Silicatforschung – ISC, Würzburg/D	
<b>MATERIALS FOR FUEL-CELL TECHNOLOGY</b>	
Chair: W. Mueller, Umicore AG & Co. KG, Hanau/D	
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<b>10:55</b> Daimler fuel cell activities – From materials research to vehicle launch C. Mohrdieck <sup>1</sup> ; <sup>1</sup> Daimler AG, Kirchheim/D	14
<b>11:25</b> Nanostructured catalyst materials for PEM fuel cells P. Strasser <sup>1</sup> ; <sup>1</sup> Technische Universität Berlin/D	15
<b>11:55</b> Pt on carbon black electro catalysts – A view from industrial perspective D. Herein <sup>1</sup> ; <sup>1</sup> UMICORE AG & Co. KG, Hanau/D	16
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<b>13:25</b> Mesostructured cobalt oxides based materials for oxygen evolution reaction H. Tüysü <sup>1</sup> ; X. Deng <sup>1</sup> ; <sup>1</sup> MPI für Kohlenforschung, Mülheim an der Ruhr/D	17
<b>13:50</b> Field-assisted sintering of nanostructured $\text{La}_x\text{Sr}_{1-x}\text{TiO}_3$ as potential anode material for solid oxide fuel cells B. Kayaalp <sup>1</sup> ; K. Klauke <sup>1</sup> ; A. Iannaci <sup>2</sup> ; V. Sglavo <sup>2</sup> ; S. Mascotto <sup>1</sup> ; <sup>1</sup> University of Hamburg/D; <sup>2</sup> University of Trento/I	18
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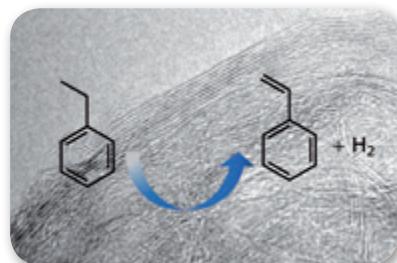
Picture source (left to right): A. Karpov, BASF SE, Ludwigshafen/D; R. Busch, Universität des Saarlandes, Saarbrücken/D

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<b>14:30</b> Strategies to reduce precious group metal loading in emission control catalysts A. Karpov <sup>1</sup> ; K. Wassermann <sup>2</sup> ; P. Tran <sup>2</sup> ; S. Choi <sup>3</sup> , Y. Xia <sup>3</sup> ; <sup>1</sup> BASF SE, Ludwigshafen/D; <sup>2</sup> BASF Corporation, Iselin, NJ/USA; <sup>3</sup> Georgia Institute of Technology, Atlanta, GA/USA	19
<b>15:00</b> New strategy for synthesis of supported Cu-Fe nanoparticles via single-source precursor method S. Linke <sup>1</sup> ; J. Bauer <sup>1</sup> ; X. Huang <sup>2</sup> ; R. Naumann d'Alnoncourt <sup>1</sup> ; M. Driess <sup>1</sup> ; F. Rosowski <sup>3</sup> ; <sup>1</sup> BasCat - UniCat BASF JointLab, Technische Universität Berlin, Berlin/D; <sup>2</sup> Fritz-Haber-Institut der Max-Planck-Gesellschaft, Berlin/D; <sup>3</sup> BASF SE, Process Research and Chemical Engineering, Ludwigshafen/D	20
<b>15:25</b> APPtec – a new generation of spray pyrolysis technology to produce advanced catalysts L. Leidolph <sup>1</sup> ; T. Jähnert <sup>1</sup> ; <sup>1</sup> Glatt Ingenieurtechnik GmbH, Weimar/D	21
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<b>16:20</b> Perspective on ultrahigh performance solid-liquid catalysis with silica and glass based monoliths U. Tallarek <sup>1</sup> ; <sup>1</sup> Universität Marburg/D	22
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<b>17:25</b> Bulk metallic glass: A new engineering material R. Busch <sup>1</sup> ; <sup>1</sup> Universität des Saarlandes, Saarbrücken/D	24
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J. Albert <sup>1</sup> ; A. Bukowski <sup>1</sup> ; <sup>1</sup> FAU Erlangen-Nürnberg, Erlangen/D	
09:55 Renewable energy as the driving force towards electrocatalysis	30
L. Vieira <sup>1</sup> ; T. Gärtner <sup>1</sup> ; L. Csepei <sup>1</sup> ; F. Steffler <sup>1</sup> ; V. Sieber <sup>1</sup> ; <sup>1</sup> Fraunhofer IGB, Straubing/D	
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<i>Chair: M. Fröba; Universität Hamburg/D</i>	
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D. Miller <sup>1</sup> ; <sup>1</sup> MPI for the Structure and Dynamics of Matter, Hamburg/D	
11:45 High sensitivity nanoscale characterization of inorganic materials by local electrode 3D atom probe microscopy	32
U. Rohrmann <sup>1</sup> , K. Güth <sup>1</sup> , O. Gutfleisch <sup>1,2</sup> , R. Stauber <sup>1</sup> ; <sup>1</sup> Fraunhofer Project Group IWKS, Alzenau/D, Fraunhofer ISC, Würzburg/D, <sup>2</sup> Technical University of Darmstadt/D	
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M. Wingfield <sup>1</sup> ; <sup>1</sup> Malvern Instruments GmbH, Herrenberg/D	
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Picture source (left to right): B.J.M. Etzold, TU Darmstadt/D; D. Miller, MPI for the Structure and Dynamics of Matter, Hamburg/D

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## Lecture Abstracts

