



ARBEITSKREIS KOHLENSTOFF

DER DEUTSCHEN KERAMISCHEN GESELLSCHAFT E.V.



3rd German – Japanese Joint Symposium
Development and Technology of Carbon Materials

June 25 – 26, 2012

At Seminaris Campushotel Berlin
Takustr. 39, 14195 Berlin, Germany

1st Day of the Programme

09.00 – 09.15	Welcome Address (Wilhelm Frohs)
09.15 – 10.00	Carbon gels with unique morphologies (Shin Mukai, Hokkaido University)
10.00 – 10.45	From graphite material to process equipment and complex systems (Marcus Franz, SGL Carbon GmbH, Meitingen)
10.45 – 11.15	Coffee Break
11.15 – 12.00	Functionalized graphene and new carbon hybrid materials (Rolf Mülhaupt, Freiburg University)
12.00 – 12.45	Carbon materials for fuel cell electric vehicle (Masashi Ito, Advanced Materials Laboratory, Nissan Research Center, Nissan Motor Co.,Ltd.)
12.45 – 14.00	Lunch at Seminaris Campushotel
14.00 – 14.20	Macroscopic shaping of carbon nanotubes for large scale application (Dangsheng Su, Fritz–Haber–Institut, Berlin)
14.20 – 14.40	Preparation and application of nano–graphene using CNF as an effective precursor (Jin Miyawaki, IMCE, Kyushu University)
14.40 – 15.00	New developments in carbon–dispersions for hot metal forming (Werner Handl, HC–Carbon)

15.00 – 15.20	Intercalations of sodium and magnesium into graphite-like layered material BC ₂ N (Masayuki Kawaguchi, Osaka Electro-Communication University)
15.20 – 15.40	Synthesis, characterization, and mechanical stability of filled and empty carbon nanotubes (Christine Kutscher, Augsburg University)

15.40 – 16.10	Coffee Break
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16.10 – 16.30	Surface graphitization of carbon materials with nongraphitizing nature (Yutaka Kaburagi, Faculty of Engineering, Tokyo City University)
16.30 – 16.50	Trace element analysis of high-purity graphite materials (Joachim Metz, Schunk Kohlenstofftechnik, Gießen)
16.50 – 17.10	Sugar-derived nanoporous carbons by controlled latex templating (Shiori Kubo, National Institute of Industrial Science and Technology)

19.00 – 21.00	Joint Dinner
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2nd Day of the Programme

09.00 – 09.20	Carbonization and graphitization of cellulose nanofibers (Noriko Yoshizawa, National Institute of Advanced Industrial Science and Technology, Tsukuba)
09.20 – 09.40	Local pore size control within carbon particles (Bastian Etzold, Erlangen University)
09.40 – 10.00	Tokai Carbon's Self-Dispersible Carbon Black and its Properties when used as Colorant in Inkjet Ink (Tomoaki Kirino, Fuji Research Laboratory, TOKAI CARBON CO., LTD.)
10.00 – 10.20	Porous carbon for electric double layer capacitors (Thomas Kirschbaum & Astrid Rota, SGL Carbon GmbH, Meitingen)
10.20 – 10.40	New hybrid capacitor using discharged graphite-fluoride/Li primary battery (Soshi Shiraishi, Department of Chemistry and Chemical Biology, Gunma University)
10.40 – 11.10	Coffee Break
11.10 – 11.30	High structure carbon blacks for improved efficiency rubber applications (Arndt-Peter Schinkel, Orion Engineered Carbons GmbH, Köln)
11.30 – 11.50	Si/C nanocomposites for lithium ion battery anodes (Hirotomo Nishihara, Institute of Multidisciplinary Research for Advanced Materials, Tohoku University)

11.50 - 12.10	Breakthrough with intensive mixing in the carbon industry (Berthold Hohl)
12.10 - 12.30	Effects of ammo-oxidation of carbon nano-onion on its structure and oxygen reduction reaction activity (Naokatsu Kannari, Department of Chemical and Environmental Engineering, Gunma University)

12.30 - 13.30	Lunch at Seminaris Campushotel
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14.00 - 16.00	Visit of Fritz-Haber-Institut of the Max-Planck-Society, Berlin
16.30	Joint Ride by Public Transport to Spree harbour
18.30 - 22.20	Evening Cruising on river Spree with Dinner
	End of Symposium