

CIGRE Workshop on Nanodielectrics

Organized by CIGRE WG D1.16 & CIGRE TF D1.16.03
Sponsored by Japan National Committee for CIGRE SC D1

Dear CIGRE Members and ICPADM Participants:

You are cordially invited to attend the CIGRE Workshop on Nanodielectrics to be held in Nagoya, Japan in Sunday afternoon on June 1, 2003. No fee is required.

The newly established CIGRE Task force D1.16.03 has organized the present activity. It is wished that the workshop may be a platform to: Publicize the emergence of a new class of materials and help in their definition, Gather individuals presently contributing or potentially able to contribute to the field, Stir up interest in eliciting the startup of focussed research in this field, Identify the major scientific and technical concerns and challenges, and Outline the potentials and applications of the new class of materials with a focus on electrotechnical domains.

Date & Time: 1:30pm ~ 5:00pm, Sunday, June 1, 2003 in Nagoya, Japan
(Prior to ICPADM2003)

Venue: Room Fujino-ma, **Hotel Sunroute Nagoya** (@500m) near Meitestu New Grand Hotel
2-35-24 Mei-eki, Nakamura-ku, Nagoya-shi, 450-0002, Japan
TEL: +81-52-571-2221, FAX: +81-52-571-2235

Presentation 1:30~3:00

Chair: Professor T. Tanaka, Waseda University, Convenor for CIGRE WG D1.16 & TF D1.16.03

- (1) Speaker: M. F. Frechette (15 Minutes Presentation)
Ref: M. F. Frechette, M. Trudeau, H. D. Alamdari and S. Boily, "Introductory Remarks on NanoDielectrics", **2001 Annual Report CEIDP**, (2001) 92-99.
- (2) Speaker: T. Shimizu (15 Minutes Presentation)
Ref: T. Imai, Y. Hirano, H. Hirai, S. Kojima and T. Simizu, "Preparation and Properties of Epoxy-Organically Modified Layered Silicate Nanocomposites", **Conf. Rec. IEEE ISEI 2002**, pp. 379-383 (2002).
- (3) Speaker: L.A. Dissado (15 Minutes Presentation)
Ref: J. K. Nelson, J.C. Fothergill, L.A. Dissado and W. Peasgood, "Toward an Understanding of Nanometric Dielectrics", **2002 Annual Report CEIDP**, (2002) 295-298.
- (4) Speaker: S. Nakamura (15 Minutes Presentation)
Ref: Shuhei NAKAMURA (Mie University) & Takuya Shindou (Suzuka Fuji Xerox Co.) "Dielectric Properties of Composites",
Ref: T. Okamoto, M. Koyama, Y. Inoue, T. Tomimura and S. Nakamura, "Dielectric Property of Composites made with Polyethylene, Boron Nitride and Carbon Black", **2002 Annual Report CEIDP**, (2002) 574-577.
- (5) Speaker: Y. Takezawa (10 Minutes Presentation)
Ref: Y. Takezawa, M. Akatsuka and C. Farren, "High Thermal Conductive Epoxy Resins with Controlled High Order Structure", Paper to be presented at ICPADM2003 Nagoya.
- (6) Speaker: T. Tanaka (10 Minutes)
Ref: M. Kozako, N. Hirai, Y. Ohki, T. Tanaka & T. Okamoto, "PD Degradation of Polyamide Nanocomposites by IEC (b) Electrode" to be presented at National IEEJ Convention 2003

Sendai, March 2003.

(7) Speaker: Yi Yin (10 Minutes Presentation) **No show.**

Ref: Yi Yin (1), Jiong Chen (1), Demin Tu (2), Rui Yin (3), Hongjin Qian (3), (1) Dept. of Electrical Engineering, Shanghai Jiao Tong University, (2) School of Engineering, Xi'an Jiaotong University, (3) Jiangsu Huapeng Transformer Co., Ltd., "Effect of Space Charge in Nanocomposite of LDPE/TiO₂", Paper to be presented at ICPADM2003 Nagoya.

(30 Minutes for discussion)

Break 3:00~3:30

Invited Talk 3:30~4:00

Professor Y. Chujo, Department of Polymer Chemistry, Kyoto University
"Organic-Inorganic Polymer Hybrids"

Panel Discussion and Forum 4:00~5:00

Animator: Dr. M. Frechette (IREQ)

Panelists: All the Speakers and Lecturer

Please contact:

Dr. Toshikatsu Tanaka, Professor
Convenor for CIGRE WG D1.16
Convenor for CIGRE TF D1.16.03
Graduate School
of Information, Production and System
Waseda University
2-2 Hibikino, Wakamatsu-ku
Kitakyushu-shi, Fukuoka 808-0135
TEL: +81-93-695-3428
FAX: +81-93-695-3424
Email: t-tanaka@waseda.jp

Dr. Michel Frechette
Secretary for CIGRE TF D1.16.03
Hydro-Quebec
1800 boul. Lionel-Boulet
Varenes, Quebec J3X 151
CANADA
TEL: +1-450-652-8216
FAX: +1-450-652-8962
Email: Frechette.Michel@ireq.ca

Name	Affiliation	E-mail	Country
1 Ruslan Papazyan	Royal Institute of Technology (KTH)	ruslan@ekc.kth.se	SE
2 Toshikatsu Tanaka	Waseda university, Japan	t-tanaka@waseda.jp	JP
3 Shinya Ohtsuka	Kyusyu Institute of Technology, Japan	ohtsuka@ele.kyutech.ac.jp	JP
4 Masayuki Hikita	Kyusyu Institute of Technology, Japan	hikita@ele.kyutech.ac.jp	JP
5 Masahiro Kozako	Waseda University, Japan	kozako@aoni.waseda.jp	JP
6 Yoshitaka Takezawa	Hitachi Ltd., Japan	ytakeza@hrl.hitachi.co.jp	JP
7 Mikimasa Iwata	Central Research Institute of Electric Power Industry, Japan	m-iwata@criepi.denken.or.jp	JP
8 Yoshiki Chujo	Kyoto University, Japan	chujo@chujo.synchem.kyoto-u.ac.jp	JP
9 Syuhei Nakamura	Mie University, Japan	sn@elec.mie-u.ac.jp	JP
10 Yuuhei Shiji	Meijo University, Japan	c302e005@ccmailg.meijo-u.ac.jp	JP
11 Atsushi Tanido	Meijo University, Japan	m333010@ccmailg.meijo-u.ac.jp	JP
12 Yasuhiko Taniguchi	TMT&D corporation	yasuhiko.taniguchi@tmt-d.co.jp	JP
13 Tetsuo Yoshimitsu	Toshiba Techno Consulting Co.	tetsuo1.yoshimitsu@glb.toshiba.co.jp	JP
14 Tamon Ozaki	Toshiba Co., Japan	tamon.ozaki@toshiba.co.jp	JP
15 Itsuki Umeda	NGK INSULATOR INC.	umeda-i@ngk.co.jp	JP
16 Chlistian Laurent	University Toulouse	laurent@lget.ups-tlse.fr	FR
17 Kaori Fukunaga	Communications Research Laboratory	kaori@crl.go.jp	JP
18 Shigemitsu Okabe	Tokyo Electric Power Company	okabe.s@tepcoco.jp	JP
19 Franck Mady	University of Caen Basse-Normandie	franck.mady@chbg.unicaen.fr	FR
20 Ben Quak	Delft University of Technology, Nethelands	b.quak@its.tudelft.nl	NL
21 Lederle Christoph	University of Munich (TUM)	Lederle@ei.tum.de	DE
22 Toshiaki Nakao	Osaka-Electro Communication University	m02124@osakac.ac.jp	JP
23 Yuji Muramoto	Meijo University, Japan	muramoto@ccmfs.meijo-u.ac.jp	JP
24 Eiichi Nagao	TMT&D Corporation	eiichi.nagao@tmt-d.co.jp	JP
25 Yoshitsugu Miyashita	Mitsubishi Cable Industries, Ltd.	Yoshitsugu_Miyashita@mitsubishi-cable.co.jp	JP
26 Lick Werner	Graz University of Technology	Lick@hspt.tu-graz.ac.at	AT
27 Philip Moore	University of Bath, UK	p.j.moore@ieee.org	UK
28 Toshio Shimizu	Toshiba Corp., Japan	toshio4.shimizu@toshiba.co.jp	JP
29 Trever Blackburn	University of NSW, Aust.	t.blackburn@UNSW.EDU.AU	AU
30 Yoshimichi Ohki	Waseda university, Japan	yohki@waseda.jp	JP
31 Belma Alijagic'-Jonuz	Delft University of Technology, Netherlands	B.Jonuz@its.tudelft.nl	NL
32 Masayuki Nagao	Toyohashi University Of Technology	nagao@tut.ac.jp	JP
33 Tatsuo Takada	Musashi Institute of Technology	takada@yc.musashi-tech.ac.jp	JP
34 June-Ho Lee	Hoseo University	leejh@office.hoseo.ac.kr	KR
35 Negle Hans	Philips Medical Systems, Germany	hans.negle@philips.com	DE
36 Michel Frechette	IREQ	frechette.michel@ireq.ca	CA
37 Robert Ross	KEMA	r.ross@kema.nl	NL
38 L.A.Dissado	U.Leiscester	lad4@leiscester.ac.uk	UK
39 G.C.Montanari	V.BOLOGNA	GIANCARLO.MONTANARI@UNIBO.it	IT
40 Takumi Tsurusaki	Kyusyu Institute of Technology, Japan	c3346423t@tobata.isc.kyutech.ac.jp	JP
41 Yanuar Z.Arief	Kyusyu Institute of Technology, Japan	c586401y@tobata.isc.kyutech.ac.jp	JP
42 Hans Edin	Royal Institute of Technology, Stockholm, Sweden	hans.edin@ekc.kth.se	SE
43 Noriyuki Shimizu	Meijo University, Japan	Shimizu@ccmfs.meijo-u.ac.jp	JP
Japan	27		
Netherlands	3		
United Kingdom	2		
Sweden	2		
Germany	2		
France	2		
Korea	1		
Italy	1		
Austria	1		
Australia	1		
Canada	1		
Total	43		