



dresden center for
nanoanalysis

OFFICIAL OPENING of the
Dresden Center for
Nanoanalysis at
TU Dresden

25 – 26 April 2013

www.tu-dresden.de/dcn



**TECHNISCHE
UNIVERSITÄT
DRESDEN**

Invitation

Official Opening of the “Dresden Center for Nanoanalysis (DCN)”

We are pleased to invite you to join us for the Official Opening of the Dresden Center for Nanoanalysis (DCN) at Technische Universität Dresden. We are celebrating this event on April 25 and 26, 2013, with a cfaed Distinguished Lecture of Serge Haroche, Nobel Prize Winner in Physics in 2012 and, with the 1st Dresden Nanoanalysis Symposium.

The new Dresden Center for Nanoanalysis will particularly focus on “4D AMASE - 4D Advanced Materials Analysis for Science and Engineering”, with the goal to become an internationally visible center of competence in analysis as well as an European user facility in the field of solid state and materials analysis. The Official Opening of this new center is strategically important for the Technische Universität Dresden and particularly for the Cluster of Excellence “Center for Advancing Electronics Dresden” and will be celebrated with many invited guests from Europe and overseas.

Ehrenfried Zschech
Coordinator Dresden Center for Nanoanalysis DCN
& Division Director at Fraunhofer IZFP

Gerhard Fettweis
Coordinator &
Scientific Director cfaed

Date: 25/26 April 2013
Location: Dülfersaal
Dülferstraße 1
01069 Dresden

www.tu-dresden.de/dcn



Thursday, 25 April 2013
Official Opening

15:00 **Welcome Address**
Hans Müller-Steinhagen
-Rector-
Technische Universität Dresden, Germany

15:20 **Distinguished Lecture**
“Particle Control in a Quantum World”
Serge Haroche
-Physics Nobel Prize Winner 2012-
Collège de France, Paris, France

16:30 End

Friday, 26 April 2013

1st Dresden Nanoanalysis Symposium

(organized by the Dresden Center for Nanoanalysis (DCN) at TU Dresden and the Dresden Fraunhofer Cluster Nanoanalysis (DFCNA))

09:00 **Welcome Address**
Ehrenfried Zschech, Fraunhofer IZFP Dresden and
Technische Universität Dresden, Germany

09:10 **The Stanford Nanocharacterization Laboratory and
Recent Applications of the Aberration-Corrected
ETEM**
Robert Sinclair
Stanford University, Stanford/CA, USA

09:40 **Correcting the Chromatic Aberration: PICO and its
Applications**
Joachim Mayer
Ernst-Ruska-Zentrum Jülich, Germany

10:10 **Nanoscale X-ray Spectroscopy and Tomography with
Synchrotron Radiation**
Gerd Schneider
Helmholtz-Zentrum Berlin, Germany

10:40 Coffee Break with Poster Session

- 11:45 **Nanograin Aluminum - Process, Properties, Nanoanalysis**
Malgorzata Lewandowska
Technical University Warsaw, Poland
- 12:15 **Nanotechnology – Accelerating Future Aircraft**
Rainer Rauh
EADS München, Germany
- 12:45 Lunch with Poster Session
- 14:00 **The Future of AFM Technologies in Life Sciences**
Christoph Gerber
University of Basel, Switzerland
- 14:30 **Atom Probe Tomography: Some 3D Atomic-Scale Studies of Semiconductors and Catalysts**
George Smith
Oxford University, United Kingdom
- 15:00 **Challenges to Structural and Materials Characterization in Leading-Edge Semiconductor Devices**
Hans-Jürgen Engelmann
GLOBALFOUNDRIES Dresden, Germany
- 15:30 **Closing Remarks**
Ehrenfried Zschech, Fraunhofer IZFP Dresden and Technische Universität Dresden, Germany
- 16:30 **Guided Tour at Fraunhofer IZFP / Dresden Fraunhofer Cluster Nanoanalysis**

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Registration - Deadline: 8 April 2013

Please register by email or fax:

Linda Kriusk

Dresden Center for Nanoanalysis (DCN)

Email: linda.kriusk@ifn.et.tu-dresden.de

Phone: +49 351 463 41093

Fax: +49 351 463 41099

I will attend...

the Official Opening

Thursday, 25 April 2013; 15:00 – 16:30

the 1st Dresden Nanoanalysis Symposium*

Friday, 26 April 2013; 09:00 – 15:30

Registration Fee*

students: 20 €

non-students: 100 €

The registration fee has to be paid in advance. For detailed information please go to: www.tu-dresden.de/dcn/official_opening

the guided tour at Fraunhofer IZFP / DFCNA

Friday, 26 April 2013; 16:30 – 17:30

Maria-Reiche-Straße 2, 01109 Dresden

Contact

Title, Name, Surname:

Company/Institution:

Address:

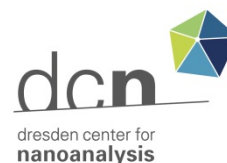
Email:

Phone:



Please return the filled form to (Deadline: 8 April 2013):

Linda Kriusk
Dresden Center for Nanoanalysis (DCN)
Fax: +49 (0) 351 / 463-41099
Email: linda.kriusk@ifn.et.tu-dresden.de



Registration Form – Official Opening of the DCN (25-26 April 2013)

I will attend...

the Official Opening on Thursday, 25 April 2013.

(15:00 – 16:30, Dülfersaal, Dülferstraße 1, 01069 Dresden)

the 1st Nanoanalysis Symposium on Friday, 26 April 2013.*

(09:00 – 15:30, Dülfersaal, Dülferstraße 1, 01069 Dresden)

Registration Fee: students: 20 € (Please send a copy of your student card.)

non-students: 100 €

*Payment can be made only by bank transfer in advance to the following bank account; any bank transfer charges have to be paid by the registrant:

National payment:	InnoTec21 GmbH BLZ: 60050101 Kto: 8539638 Reason for payment: DCN opening_your name	International payment:	InnoTec21 GmbH BIC: SOLADEST IBAN: DE92600501010008539638 Reason for payment: DCN opening_your name
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Payment by credit card will not be available!

Payments have to be completed within 14 days after registration.

Registrations without appropriate payment will not be honoured until full payment is received.

Attendees will receive the document "Invoice, Registration and Payment Confirmation" at the event's registration desk.

the Guided Tour at Fraunhofer IZFP / DFCNA on Friday, 26 April 2013.

(16:30 – 17:30, Maria-Reiche-Straße 2, 01109 Dresden)

Contact

Title, Name, Surname:

Company/Institution:

Address:

Email:

Phone:

Date, Signature

Postadresse (Briefe)

TU Dresden, 01062 Dresden

Postadresse (Pakete u.ä.)

TU Dresden

Helmholtzstraße 10

01069 Dresden

Besucheradresse

Sekretariat:

Georg-Schumann-

Straße 11,

Barkhausenbau,

Zimmer II/10

Steuernummer

(Inland)

203/149/02549

Umsatzsteuer-Id-Nr.

(Ausland)

DE 188 369 991

Bankverbindung

Deutsche Bundesbank,

Filiale Dresden

Konto 85 001 522

BLZ 850 000 00



Zufahrt

Rampe Seiteneingang, gekennzeichnet.
Parkfläche im Innenhof



**DRESDEN
concept**
Exzellenz aus
Wissenschaft
und Kultur

Kein Zugang für elektronisch signierte sowie verschlüsselte elektronische Dokumente.

Internet

<http://tu-dresden.de/dcn>