

Section Dielectric Solids Fachverband Dünne Schichten (DF)

Horst Beige

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Overview of Invited Talks and Sessions

(lecture rooms H11 and H48; Poster C)

Invited Talks

DF 2.1	Mon	10:00–10:40	H11	Steuerung von Licht durch nichtlineare Brechungsindexänderungen - Perspektiven für den photonischen Chip — ●CORNELIA DENZ, BERND TERHALLE, CHRISTOPH BERSCH, PHILIP JANDER, JÖRG IMBROCK
DF 3.1	Mon	14:30–15:10	H11	Investigation of relaxor ferroelectrics by piezoresponse force microscopy — ●VLADIMIR SHVARTSMAN, WOLFGANG KLEEMANN
DF 4.1	Tue	10:00–10:40	H11	Intrinsically Heterogeneous Ferroelectrics: Origins and Consequences — ●A. R. BISHOP
DF 4.7	Tue	12:20–13:00	H11	Order - disorder versus displacive behaviour of ferroelectric perovskites — ●ROBERT BLINC
DF 7.1	Tue	14:30–15:10	H11	Nanosized ferroelectrics — ●IZABELA SZAFRANIAK
DF 8.1	Wed	14:30–15:10	H11	Piezoelectricity and pyroelectricity in amorphous perovskite thin films — ●ALEXANDER K. TAGANTSEV, VERA LYAHOVITSKY, DAVID EHRE, ELLEN WACHTEL, SIDNEY R. COHEN, KONSTANTIN GARTSMAN, IGOR LUBOMIRSKY
DF 9.1	Thu	10:00–10:40	H48	Electric Field Induced Critical Points and Electromechanical Response in Relaxor Ferroelectrics — ●ZDRAVKO KUTNJAK, ROBERT BLINC, JAN PETZELT, STANISLAV KAMBA
DF 12.1	Fri	10:30–11:10	H11	Piezoelektrische Gradientenkeramik – Herstellung und Charakterisierung — ●RALF STEINHAUSEN

Invited talks of the joint symposium SYSE

See SYSE for the full program of the Symposium.

SYSE 1.1	Mon	14:30–15:00	H1	Wavy and Buckled Nanoribbons and Nanotubes: Mechanics and Applications — ●JOHN ROGERS
SYSE 2.1	Mon	16:15–16:45	H1	Enhancing Ferroelectrics and Multiferroics using Strain — ●D.G. SCHLOM, M.D. BIEGALSKI, A. SOUKIASSIAN, J.H. HAENI, J.H. LEE, R.W. ULBRICHT, C.M. BROOKS, Y. JIA, V. VAITHYANATHAN, W. TIAN, X. KE, D.A. TENNE, A.V. RAO, A. KUMAR, L. TIAN, A. SHARAN, S. CHOUDHURY, Y.L. LI, P. SCHIFFER, S. TROLIER-MCKINSTRY, X.X. XI, V. GOPALAN, L.Q. CHEN, K.J. CHOI, D.M. KIM, C.B. EOM, Y.B. CHEN, H.P. SUN, X.Q. PAN, D.D. FONG, M.A. ZURBUCHEN, J.A. EASTMAN, P.H. FUOSS, S.K. STREIFFER, P. IRVIN, J. LEVY, W. CHANG, S.W. KIRCHOEFER, T. HEEG, J. SCHUBERT, A. BRUCHHAUSEN, N.D. LANZILLOTTI-KIMURA, A. FAINSTEIN, R.S. KATIYAR, A. CANTARERO, M.E. HAWLEY, Q.X. JIA, C.J. FENNIE, S.M. NAKHMANSON, K.M. RABE, A.K. TAGANTSEV, B. VELICKOV, R. UECKER, P. REICHE
SYSE 2.3	Mon	17:00–17:30	H1	Patterning ferroelectric nanostructures by epitaxial strain — ●HO NYUNG LEE, MATTHEW CHISHOLM
SYSE 2.4	Mon	17:30–18:00	H1	Curl in Photonic Crystals Induced by Drying Stresses upon Sol-Gel Infiltration — ●VLADIMIR KITAEV, EVANGELLOS VEKRIS, GEOFFREY OZIN

Sessions

DF 1.1–1.3	Sun	14:00–17:00	H11	Tutorial “Basics of Dielectric Solids”
DF 2.1–2.8	Mon	10:00–13:00	H11	Internal Symposium “Nonlinearities of Photonic Materials”
DF 3.1–3.8	Mon	14:30–17:30	H11	Relaxor Ferroelectrics
DF 4.1–4.7	Tue	10:00–13:00	H11	Internal Symposium “Order/Disorder versus/with Displacive Behaviour”
DF 5.1–5.11	Tue	10:00–13:00	H23	Glass I (joint session with DY)
DF 6.1–6.10	Tue	14:30–17:50	H23	Glass II (joint session with DY)
DF 7.1–7.9	Tue	14:30–17:50	H11	Dielectric and Ferroelectric Thin Films and Nanostructures I
DF 8.1–8.7	Wed	14:30–17:10	H11	Dielectric and Ferroelectric Thin Films and Nanostructures II
DF 9.1–9.8	Thu	10:00–13:00	H48	Electric, Electromechanical and Optical Properties I
DF 10.1–10.10	Thu	14:30–17:50	H48	Dielectric and Ferroelectric Thin Films and Nanostructures III
DF 11.1–11.31	Thu	14:30–18:00	Poster C	Poster Session
DF 12.1–12.6	Fri	10:30–12:50	H11	Electric, Electromechanical and Optical Properties II

Symposium Strain-Engineering for New Functional Structures (SYSE)

SYSE 1.1–1.4	Mon	14:30–15:45	H1	Strain engineering in semiconductors
SYSE 2.1–2.4	Mon	16:15–18:00	H1	Strain engineering in ferroics and photonics

Annual General Meeting of the Section Dielectric Solids (for members only)

We 17:30–18:30 H11

1. Zur Arbeit des Fachverbandes
2. Vorbereitung der 72. Jahrestagung der DPG
3. Wahl des Vorstandes
4. Verschiedenes