

Symposium Strain Engineering for New Functional Structures (SYSE)

jointly organized by
 Section Dielectric Materials (DF),
 Section Semiconductor Physics (HL),
 Section Thin Films (DS), and
 Section Metal and Material Physics (MM)

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Overview of Invited Talks and Sessions

(lecture room H1)

Invited Talks

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

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