



Session Title	[TuC3] Nanoelectromechanics and Carbon Nanotubes
Date / Time	July 3 (Tue.), 2018 / 15:55-17:30
Room	Room C (#107)
Session Chair	Hyoung Joon Choi (Yonsei Univ., Korea)

TuC3-I1 (Invited)

15:55-16:20

Mechanically Induced Thermal Breakdown in Magnetic Shuttle Structures

O. A. Ilinskaya¹, S. I. Kulinich¹, I. V. Krive¹, R. I. Shekhter², H. C. Chul³, and Mats Jonson²
¹FTINT, Ukraine ²Univ. of Gothenburg, Germany, ³IBS Daejeon, Korea

TuC3-I2 (Invited)

16:20-16:45

Spin Precession in Spin-Orbit Coupled Weak Links: Coulomb Repulsion and Pauli Quenching

Robert Shekhter¹, Ora Entin-Wohlman², Mats Jonson¹, and Amnon Aharony²
¹Univ. of Gothenburg, Sweden, ²Ben Gurion Univ., Israel

TuC3-O3

16:45-17:00

Theory Ofthermoelectric Effects of Impurity-Doped Carbon Nanotubes

Takahiro Yamamoto and Hidetoshi Fukuyama
Tokyo Univ. of Science, Japan

TuC3-I4 (Invited)

17:00-17:25

Science of Macroscopically Self-Aligned Carbon Nanotubes

Junichiro Kono
Rice Univ., USA

TuC3-O5

17:25-17:40

Microstructure Evolution and Self-Assembling of CNT Networks during Mechanical Stretching and Mechanicalproperties of Highly Aligned CNT Composites

Jin Gyu Park, Claire Jolowsky, Rebekah Sweat, Yi-Feng Su, Ayou Hao, and Richard Liang
Florida State Univ., USA