

The 17th International Nanotech Symposium & Exhibition

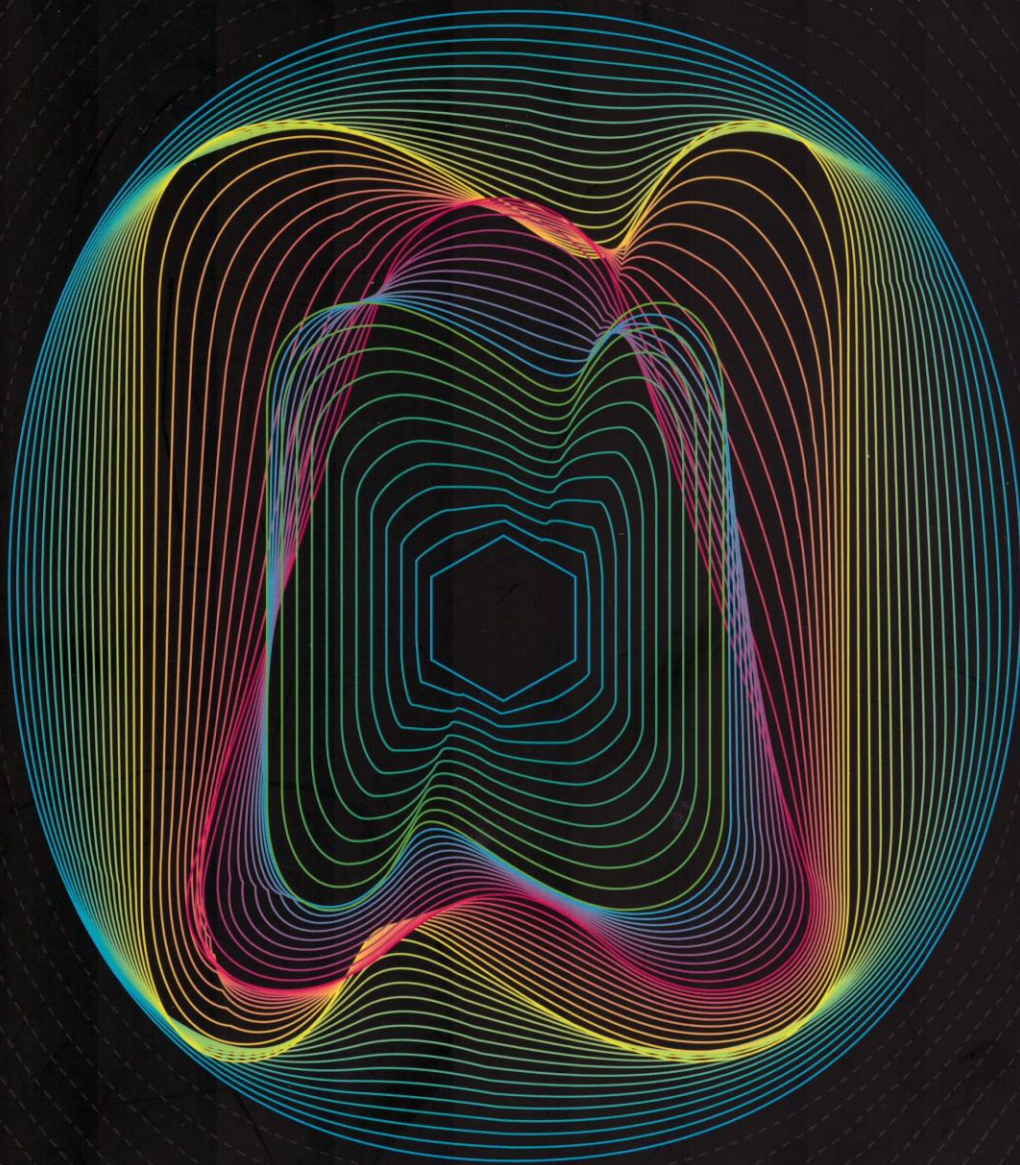
NANO KOREA 2019

July 3~5, 2019, KINTEX, Korea

July 2: Tutorial Session

July 3~5: Symposium & Exhibition

Symposium Program Book

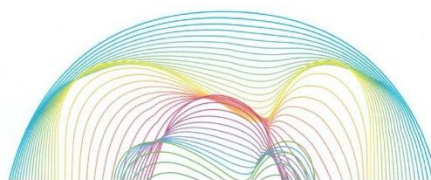


Host Ministry of Science and ICT
Ministry of Trade, Industry & Energy

Organizer Korea Nano Technology Research Society
Nano Technology Research Association

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- P1906_0546 **Fabrication of organic structures for three-dimensional standard materials to understand erosion mechanism by ion beam sputtering**
Chaeho Shin(Korea Research Institute of Standards & Science (KRISS)), Seunghyun Moon(Seoul National University), Ji-in Park(Korea Basic Science Institute (KBSI)), Jung-Hwan Kim(Korea Basic Science Institute (KBSI))
- P1906_0554 **Carbon nanotube emitter based field emission x-ray source for micro CT**
Wooseob Kim(Kyung Hee University), Jongmin Lim(Kyung Hee University), Amar Prasad Gupta(Kyung Hee University), Junyoung Park(Kyung Hee University), Seungjun Yeo(Kyung Hee University), Jeungsun Ahn(Kyung Hee University), Jehwang Ryu(Kyung Hee University)
- P1906_0556 **Multi-beam X-ray sources with carbon nanotube emitter for tomosynthesis System**
Junyoung Park(Kyung Hee University), Amar Prasad Gupta(Kyung Hee University), Wooseob Kim(Kyung Hee University), Jongmin Lim(Kyung Hee University), Seungjun Yeo(Kyung Hee University), Jeungsun Ahn(Kyung Hee University), Jehwang Ryu(Kyung Hee University)
- P1906_0557 **Measurements of liquid analytes under on-chip modulation using double channel microfluidic resonators**
Jaeseob Lee(Korea Advanced Institute of Science and Technology (KAIST)), Faheem Khan(Fourien Inc.), Thomas Thundat(University of Alberta), Jungchul Lee(Korea Advanced Institute of Science and Technology (KAIST))
- P1906_0572 **200mm wafer level low temperature TBDB process for polyimide based flexible hybrid integration**
Jongcheol Park(National NanoFab Center (NNFC)), Tae Hyun Kim(National NanoFab Center (NNFC)), Kyeong Min Kim(National NanoFab Center (NNFC)), Changho Seo(National NanoFab Center (NNFC)), Kwang Hee Kim(National NanoFab Center (NNFC)), Gapseop Shim(National NanoFab Center (NNFC)), Jong-Kwon Lee(National NanoFab Center (NNFC)), Seok-Oh Yun(National NanoFab Center (NNFC)), Chung-Mo Yang(National NanoFab Center (NNFC)), Yeeun Na(National NanoFab Center (NNFC)), Nam-Su Park(National NanoFab Center (NNFC)), Dae Won Hong(National NanoFab Center (NNFC)), Hee Yeoun Kim(National NanoFab Center (NNFC))
- P1906_0580 **Angle-Tunable Dynamic Plasmonic Nanostructure for Spectral Filters**
Junhyuk Choi(Korea Institute of Machinery and Materials (KIMM)), Wongyu Lee(Korea Institute of Machinery and Materials (KIMM)), Daegeun Choi(Korea Institute of Machinery and Materials (KIMM)), Eungsug Lee(Korea Institute of Machinery and Materials (KIMM)), Kwangyoung Kim(Korea Institute of Machinery and Materials (KIMM))
- P1906_0631 **Magnetic nanoclusters with high solution stability and magnetism for biomedical applications**
Yong-su Kwon(Korea Institute of Machinery and Materials (KIMM)), Jaejong Lee(Korea Institute of Machinery and Materials (KIMM))
- P1906_0632 **Carrier transfer characteristics in Quantum dot-graphene hybrid structure**
Hyun Jeong(Korea Institute of Machinery and Materials (KIMM)), Hye-Mi So(Korea Institute of Machinery and Materials (KIMM)), Won Seok Chang(Korea Institute of Machinery and Materials (KIMM))
- P1906_0666 **Ultrafast laser micromachining on transparent electrode with shaped beam**
Hoonyoung Kim(Korea Institute of Machinery and Materials (KIMM)), Wonsuk Choi(Korea Institute of Machinery and Materials (KIMM)), Young-gwan Shin(Korea Institute of Machinery and Materials (KIMM)), Sung-hak Cho(Korea Institute of Machinery and Materials (KIMM))
- P1906_0681 **Femtosecond laser thin Invar hole drilling process for AMOLED display with vibration**
Wonsuk Choi(Korea Institute of Machinery & Materials (KIMM)), Hoon-Young Kim(Korea Institute of Machinery & Materials (KIMM)), Young Gwan Shin(Korea University of Science and Technology (UST)), Kwangwoo Cho(Korea University of Science and Technology (UST)), Sung-Hak Cho(Korea Institute of Machinery & Materials (KIMM))