

List of Poster Presentations

Poster Number	Name	Institution	Department	Presentation title
P01	Jun LI	TU	Department of Thermal Engineering	Direct Simulation Method Based on BGK Equation
P02	Wang Hao	UT	System Innovations	A method to evaluate chances for decision making
P03	Im, Ju hyun	SNU	Mechanical & Aerospace Engineering	Study for Short Ejector Performance
P04	Oh, Hyuck Keun	SNU	Mechanical & Aerospace Engineering	Finite Volume Method for the Solution of Boltzmann Transport Equation in Spherical Coordinates
P05	Miles COLMAN	UT	Aeronautical Engineering	Fundamental Performance Prediction of Hovering Vehicles Using the Potential Analogy
P06	Xuan YAO	TU	Department of Thermal Engineering	Experiment Study of Solids Circulation Rate's Effect on the Pressure Loop in Circulating Fluidized Bed
P07	Hwang, Yoojun	SNU	Mechanical & Aerospace Engineering	Flow Unsteadiness from Tip Clearance in Axial Compressors Through Numerical Calculations
P08	Sun Yu	UT	Mechanical Engineering	Atomistic Study of Dislocation Nucleation from a Sharp Corner in Cu
P09	Jile JIANG	TU	Department of Precision Instruments and Mechanology	Experimental study of ER fluids with different particle volume fractions
P10	Kim, Hye Rim	SNU	Mechanical & Aerospace Engineering	Modeling of Instabilities in Closed Loop Two-phase Compression Systems
P11	Kim, Euiyoung	SNU	Mechanical & Aerospace Engineering	Effect of Compliant Wall on Turbulent Channel Flow
P12	Yutaro Takaya	UT	Systems Innovations	A carbonate formation sequence during CO ₂ basaltic aquifer storage: Implications from CO ₂ -water-rock interaction experiments and geochemical calculation
P13	Yong FAN	UT	Mechanical Engineering	Oscillating Flame in Heated Planar Micro Channels
P14	Riichiro Kimura	UT	Chemical System Engineering	Characteristics of potassium supported on aluminosilicate for diesel soot combustion
P15	Mina NISHI	UT	Mechanical Engineering	Investigations of novel micro SOFC system with vacuum insulation
P16	Kaira SEKIGUCHI	UT	Aeronautics and Astronautics	Support Systems for Design from the Ethics Level
P17	Zhong Miao	UT	Mechanical Engineering	Enhancement of UV photoluminescence and conductivity of ZnO nanowires by hydrogen plasma treatment
P18	Min DU	TU	Precision Instruments and Mechanology	Fabrication of microchannels with round profiles using glycerol molds with various aspect ratios
P19	Shin, bongsu	SNU	Mechanical & Aerospace Engineering	Superhydrophobic nano-hair mimicking for water strider leg using CF ₄ plasma treatment on the 2-D and 3-D PTFE patterned surfaces
P20	Etsuo MAEDA	UT	Engineering Synthesis / Mechanical Engineering	Rigorous coupled wave analysis of subwavelength periodic structures for hydrogen sensing
P21	Ken Elmar FRIEDL	UT	Aeronautics&Astronautics	Development of a Multimodal Hovering Teaching System for UAV Helicopters
P22	Baek, Sungmin	SNU	Mechanical & Aerospace Engineering	Design Optimization of Multi-subdomain Structure Constructed by Reduced system
P23	Ming Zhou	TU	Department of Precision Instruments and Mechanology	The Peel Model of gecko inspired adhesives
P24	Dong WEI	UT	Precision Engineering	Temporal coherence of a femtosecond optical frequency comb and applied quantity metrology applications
P25	Toshio Araki	UT	Materials Engineering	Reactive transient Liquid Phase Bonding Between Mg alloys and Steels
P26	Jiahao ZHAO	TU	Precision Instruments and Mechanics	A Creative Gas Sensor Base on Single-Port Micro-cantilever and Self-Actuating and Detecting System
P27	Yoo, Sungmin	SNU	Mechanical & Aerospace Engineering	Three-dimensional heat sink design by novel topology optimization based on topology optimization
P28	Caiyun YANG	UT	Precision Engineering	Sealed Decomposition of a Triangular Mesh with Tetrahedral Mesh Segmentation
P29	Haksung LEE	UT	Materials Science and Engineering	Defect Energetics in SrTiO ₃ Symmetric Tilt Grain Boundaries
P30	Nanghai SONG	TU	Department of Precision Instruments and Mechanology	Flying Height Measurement with a Symmetrical Common-path Heterodyne Interferometry Method
P31	Takaya Inamori	UT	Aeronautics and Astronautics	In-orbit performance of the attitude control system for the nano remote sensing satellite "PRISM"
P32	Kai FENG	UT	Mechanical Engineering	Thermohydrodynamic Model of Bump-Type Foil Bearings
P33	Sihan SHEN	TU	Department of Precision Instruments and Mechanology	With and without vapor phase lubricant of silicon-based MEMS devices
P34	Yanbo LI	UT	Mechanical Engineering	ZnO bridging nanowire UV photodetectors with high sensitivity and fast response
P35	Adriana ANDREEVA	UT	Aeronautical and Astronautical Engineering	Tradeoffs Between Fuel Consumption and Noise During Descent of Civil Aircraft
P36	Byun, Jae-Hwan	SNU	Mechanical & Aerospace Engineering	Effect of Shear Stress on Transfection of Neurons Inside Microfluidic Device
P37	Kwon, Keon Woo	SNU	Mechanical & Aerospace Engineering	Selective differentiation of human embryonic stem cells into the neuronal lineage using nano-manufactured substrate topography
P38	Chao WAN	TU	Precision Instruments and Mechanology	The Effect of Anterior Cruciate Ligament Injury and Reconstruction on the Biomechanics of Knee Joint: a Finite Element Method
P39	Fei LIU	TU	Department of Precision Instruments and Mechanology	Numerical Simulation of Biological Cells in Microinjection
P40	Son, Tae-geun	SNU	Mechanical & Aerospace Engineering	Position Management System in Radiotherapy
P41	Woo, Chang Gyu	SNU	Mechanical & Aerospace Engineering	Formation of Protein Deposition Pattern Using Ion Induced Focusing Method
P42	Joonho Seo	UT	Mechanical Engineering	Three-dimensional computer controlled acoustic pressure scanning and quantification of focused ultrasound