

Authors (*: Presenter)	Affiliation(presenter)	Title
Yohei Sonobe*, Akihide Saimoto	Nagasaki University	A Mesh-Free Analysis of Planar Crack under Thermal Stresses due to Heat Source
Cheng BinBin*, Shouta Miyashita, Daisaku Sakaguchi	Nagasaki University	Optimization of a Recirculation Flow Type Casing Treatment with Guide Vanes for Centrifugal Compressors
Yusuke Kawachi*, Ryouta Ishihara, Yoshiki Ishibashi, Daisaku Sakaguchi	Nagasaki University	Optimization of an Aerofoil Type Diffuser for Centrifugal Compressors
Yosuke Miyazaki*, Takanori Yazawa, Tatsuki Otsubo, Hiroki Tokunaga	Nagasaki University	Development of an Apparatus for In-line Total Inspection of Burr and Dimension
Yuichirou Ambe*, Syunsuke Hirakawa, Ryuichirou Uchino, Hideki Maruta, Akihide Saimoto	Nagasaki University	Simulation of flame phenomenon near vertical wall using FDS
Akihide Saimoto*	Nagasaki University	Interference effect among parallelly aligned planar surface cracks
Shinji Yamaguchi*, Ikuo Yamamoto, Shozo Nakamura, Youichi Simomoto, Murray Lawn, Takuya Sakuragi, Tsuyosi Fujiki, Shinobu Kakehashi, Takatoshi Miura, Rin Shueyoshi, Sumio Sakai, Sadaharu Nakashima	Nagasaki University	Development of an Automatic Cable Inspection Robot for Cable-Stayed Bridge
Tomohiko Yamaguchi*, Satoru Momoki	Nagasaki University	Automatic differentiation for helmholtz type equation of state
Hitoshi Miyazaki*, Kazunari Takahashi, Kazuki Hosoya, Satoru Iwamori	Shizuoka University	Surface modification of polystyrene in ammonia environment with ultraviolet light irradiation
Kazuhiro Takeda*, Muhammad Irfan, Bin Rosman, Osamu Kamiya, Motoi Fujishima, Rie Nobe	Shizuoka University	New Method for Curing Process of Carbon Fibre Reinforced Polymer by Using PMECH Method
Yuhi Suzuki*, Yoshibobu Shimamura, Keiichirou Tougou, Tomoyuki Fujii	Shizuoka University	Resistance welding of carbon fiber reinforced thermoplastics by using unidirectionally aligned carbon nanotube sheet
Ryohei Yamakawa*, Tomoyuki Fujii, Keiichiro Tohgo, Yoshinobu Shimamura	Shizuoka University	Nucleation of stress corrosion cracking in stainless steel based on surface strain distribution
Ryoma Hara*, Makoto Matsui	Shizuoka University	Investigation of generation and emission intensity of sonoluminescence using phosphoric acid
Masaki Suzuki*, Tomoyuki Fujii, Keiichiro Tohgo, Yoshinobu Shimamura	Shizuoka University	Mechanical properties of an interface between stainless steel and pure titanium fabricated by SPS

Masafumi Fujioka*, Tomoyuki Fujii, Keiichiro Tohgo, Muhamad Safwan Bin Muhamad Azmi, Yoshinobu Shimamura	Shizuoka University	Influence of specimen thickness on fatigue behavior of a steel subjected to alternative bending
Naoya Ogasawara*, Tomoyuki Fujii, Keiichiro Tohgo, Yoshinobu Shimamura, Yohei Sakakibara, Gen Nakayama	Shizuoka University	Monte Carlo simulation stress corrosion cracking on surface with welding defects of Ni-based alloy
Hiroya Yamamoto*, Toshiyuki Sanada	Shizuoka University	Interaction of a pair of slightly different size bubbles rising in-line
Masanao Hanai*, Toshiyuki Sanada, Akira Fukunaga, Hirokuni Hiyama	Shizuoka University	Verification of the friction mechanism between PVA brush and contacting surface using total reflection method
Keishi Yamada*. Toshiyuki Sanada, Akira Fukunaga, Hirokuni Hiyama	Shizuoka University	Effects of temperature on torques and its temporal fluctuation generated during PVA brush rotation
Yuuki Furuya*, Toshiyuki Sanada	Shizuoka University	Observation of liquid infiltration into a closed-end hole by acoustic wave irradiation
Ryota Kimura*, Mitsuhiro Fukuta, Masaaki Motozawa	Shizuoka University	Surface tension measurement of oil/refrigerant mixture using maximum bubble pressure method
Kazunari Toda*, Shoko Arita, Yoshiki Yamagiwa, Itsuki Fukuta	Shizuoka University	Study on thermal radiation characteristics of Deployable Cube.
Tengku Mohamad Faris Tengku Salehudin*, Mitsuhiro Fukuta, Masaaki Motozawa	Shizuoka University	Observation Study on Foaming Phenomenon of Lubrication Oil During Startup Period
Takashi Okamoto*, Makoto Mastui	Shizuoka University	Evaluation of Sensitivity and Time Resolution in Electron Density Measurement using CO2 laser
Shunsuke Seto*, Masaaki Motozawa, Mitsuhiro Fukuta	Shizuoka University	Influence of magnetic field on clogging phenomena of magnetic fluid flow in micro channel
Tomoki Kamei*, Takahiro Ono, Makoto Matsui, Koichi Mori	Shizuoka University	Evaluation of Launch Performance of Laser Propulsion considering Energy Loss due to Spread and Atmospheric Absorption and Scattering
Hitomi Maeda*, Keita Takeshita, Hirotaka Terai, Masanori Takeda	Shizuoka University	Measurement of kinetic-inductance nonlinearity in an NbTiN thin film toward a novel superconducting-magnetometer development
Tomohiro Momose*, Atsushi Nakamura	Shizuoka University	Electrical properties of large area MoS <sub>2</sub> : P thin film prepared by sulfurizing Mo thin film by CVD method
Shu Takachi*, Katsuyoshi Fukiba, Son Kan	Shizuoka University	Pressure Loss Prediction of a Heat Exchanger under Frosting Condition Using a Model Made with a 3D printer
Ryusei Iida*, Yoshihiko Sano, Fujio Kuwahara	Shizuoka University	Numerical simulation of mass transport phenomenon in an On-line HDF

Keisuke Kurita*, Yoshihiko Sano, Fujio Kuwahara, Akira Nakayama	Shizuoka University	Three-dimensional numerical solution procedure for conduction-convection conjugate problems associated with complex geometrical configurations using Cartesian coordinate
Ayato Takeda*, Yoshihiko Sano, Fujio Kuwahara	Shizuoka University	An experimental study of drying process in a porous material
Kodai Matsuyama*, Takashi Mashiko, Yasushi Kakimoto	Shizuoka University	Development of air-urethane combination mattress
Yoji Inoue*, Takashi Mashiko, Yuki Sakurai, Ichiro Kumagai	Shizuoka University	Experiment of thermal convection using a phase-changing fluid
Shinya Kuroda*, Takashi Mashiko	Shizuoka University	Investigation of optimal obstacle arrangement for quick evacuation by genetic algorithm
Chunyang Wang*, Moghtada Mobedi, Fujio Kuwahara, Akira Nakayama	Shizuoka University	Developing Criteria for Evaluation of Solid/Liquid Phase Change Material Heat Exchangers
Soichiro Ishii*, Masaaki Motozawa, Mituhiro Fukuta	Shizuoka University	Application of maximum bubble pressure on inspection of clustering structure in magnetic fluid
Katsuya Nishihata*, Mitsuhiro Fukuta, Masaaki Motozawa	Shizuoka University	Influence of lubricant oil on flow pattern of refrigerant in a narrow tube
Kota Tanaka*, Ranmanathan Subramanian, Hongpu Li	Shizuoka University	Torsion, strain, and temperature sensor based on helical long-period fiber gratings
Atushi Takahashi*, Yasushi Kakimoto	Shizuoka University	Numerical study on flow characteristics for cross flow fan
Ryo Iwase*, Yuichi Kobayashi, Takashi Mashiko, Susumu Ishihara	Shizuoka University	Effectiveness of autonomous speed control using inter-vehicle communication on crossing roads
Fan Bai, Hongna Zhang*	Sun Yat-Sen University	Numerical study of multiphase droplet migration by OpenFOAM
Jeong Hun Park*, Sang Shin Park	Yeungnam University	Effect of wedge angle to the performance electro mechanical brakes
Chansu Jung*, Kanghyun Nam	Yeungnam University	Active Handling Feel Modulation Based on Robust Admittance Control for a Steer-By-Wire System
JaeHun Chung*, CheolHo Bai, JaeSool Shim, CheongHwan Lee	Yeungnam University	An Experimental Study on the imprinting process in cold working for making printed electrical components
Vineet Kumar*, Dong-Joo Lee	Yeungnam University	Conductive Films of Carbon Nanomaterials on Stretchable Substrates

Xinlin Li*, Keon-Woo Kim, Sang Woo Joo, Junseok Seo, Jihoon Lee, Tae Kyu An, Se Hyun Kim	Yeungnam University	Facile method for enhancing conductivity of printed carbon nanotubes electrode via simple rinsing process
Ting Dong*, Tae Jo Ko	Yeungnam University	The Change of Fiber Diameter with Voltage Variation in Electrospinning
Joong Ho Kim*, Dong Jin Kang	Yeungnam University	Numerical Study of Aerodynamic Performance of a Quadcopter Propeller
Hyunseong Shin*, Maenghyo Cho	Yeungnam University	Multiscale Fracture Mechanics Modeling for Predicting Fatigue Crack Growth of Polymer Nanocomposites
Youngno Seo*, Jungwook Choi	Yeungnam University	Preparation and Mechanical Properties of Nanomaterial-embedded Elastomer Composites
Jihyo Yang*, Kiso Yoo	Yeungnam University	Stretchable Transparent Electrodes for Wearable Electronic Equipment
Kyeongnak Lee*, Byeongil Kim	Yeungnam University	Experimental Analysis of Beam depending on Passive Patch Location
Myung-Seop Lim*	Yeungnam University	Design of Ultra-High Speed Permanent Magnet Machine Considering Speed Response Characteristics
Chan-Jong Jang*, Pyung Hwang	Yeungnam University	Small Autonomous Vehicle Design for University Student Competition in Korea
Polina Khan, Pyung Hwang*	Yeungnam University	Tilting Stiffness and Damping Coefficients of Aerostatic Partial Arc Annular-Thrust Porous Bearing
Mariko Tanaka*, Yuuki Nagata, Kazuhiro Ishii, Yoshimitsu Kobashi	Yokohama National University	Soot Formation from a Gasoline Surrogate Fuel behind a Reflected Shock Wave
Yuuki Mitamura*, Kazuhiro Ishii	Yokohama National University	Effects on Wall Temperature of a Shock Tube on Spontaneous Ignition
Takeshi Suzuki*, Shin Morishita	Yokohama National University	A study of gear noise in relation to teeth meshing observed by photoelastic technique
Wataru Kurata*, Haruhiro Kawana, Kazuhiro Ishii	Yokohama National University	A Study on Rotating Detonation Engines Using Different Chamber Sizes
Tomoaki Nozawa*, Toshihiko Shiraishi	Yokohama National University	Effects of Mechanical Vibration on Cultured Cells to Regenerate Cartilage
Kaito Shigemasa*, Takuto Araki	Yokohama National University	Effects of the existence of MPL and GDL porosity to the local temperature and water distribution in the PEFC

Kazuaki Miyamoto*, Toshihiko Shiraishi	Yokohama National University	Design of a Force Field Control Device by Acoustic Holography for Ultrasound Therapy
Yuto Hoshi*, Toshihiko Shiraishi	Yokohama National University	Effects of Mechanical Vibration on Cultured Nerve Cells
Takatoshi Hase*, Toshihiko Shiraishi	Yokohama National University	A Study of Trapping Objects by Acoustic Holography
Kanta Fukumoto*, Keiichi Kitamura, Kouichi Mori, Ryota Kurata	Yokohama National University	The Influences of Band-Support-Structure of Rigid Supersonic Parachute on Its Surface Flow-field and Drag Coefficient
Satoshi Nishimura*, Shoki Inoue, Yusuke Tamada, Yota Otsuki, Takuto Araki	Yokohama National University	Numerical Analysis of Water Freezing at Cold Startup of Polymer Electrolyte Fuel Cells
Shogo Kato*, Takayuki Morokuma, Hiroaki Matsumoto	Yokohama National University	Study on visualization of thickness distribution of the various liquid film during bubble coalescence process
Hiroki Tanaka*, Hiroaki Matsumoto, Takayuki Morokuma	Yokohama National University	Study on numerical analysis of Thermal creep flow on the edge of thin plate
Kento Koga*, Hiroaki Matsumoto, Takayuki Morokuma	Yokohama National University	Study on the flow system based on Thermal induced flow
Shohei Okano*, Hiroaki Matsumoto, Takayuki Morokuma	Yokohama National University	Numerical Analysis of thermal induced flow in the free molecular flow
Kazuaki Kawauchi*, Toshiaki Harada, Keiichi Kitamura, Satoshi Nonaka	Yokohama National University	Windtunnel Experiment on Slender Body Aerodynamics with Asymmetric Protuberances at Mach 1.5