Program at Glance

(*The Conference is held at Ta Quang Buu Library, HUST*)

October 27			
07:30 - 08:00	**Registration**		**10th FL**
08:00 - 08:30	**Opening ceremony**		**10th FL, Main Hall**
08:30 - 12:00	**Keynote lectures**		**10th FL, Main Hall**
12:00 - 13:30	**Lunch**		**10th FL**
13:30 - 14:30	**Parallel sessions (03 oral presentations/each session)**		
S1 Turbomachine & Renewable Energy	S2 Hydraulic/pneumatic Dynamics & Control	S3 Numerical Simulation & Modeling	S4 Advanced Industrial Applications & Design
14:30 - 15:00	**Coffee break/Poster sessions**		**10th FL**
15:00 - 16:00	**Parallel sessions (03 oral presentations/each session)**		
S1 Turbomachine & Renewable Energy	S2 Hydraulic/pneumatic Dynamics & Control	S3 Numerical Simulation & Modeling	S4 Advanced Industrial Applications & Design
18:30 - 21:00	**Gala dinner**		**10th FL**
October 28			
09:00 - 10:00	**Parallel sessions (03 oral presentations/each session)**		
S1 Turbomachine & Renewable Energy	S2 Hydraulic/pneumatic Dynamics & Control	S3 Numerical Simulation & Modeling	S4 Advanced Industrial Applications & Design
10:00 - 10:30	**Coffee break/Poster sessions**		**10th FL**
10:30 - 11:30	**Parallel sessions (03 oral presentations/each session)**		
S1 Turbomachine & Renewable Energy	S2 Hydraulic/pneumatic Dynamics & Control	S3 Numerical Simulation & Modeling	S4 Advanced Industrial Applications & Design
11:30 - 13:00	**Lunch**		**10th FL**
13:00 - 14:00	**Parallel sessions (03 oral presentations/each session)**		
S1 Turbomachine & Renewable Energy	S2 Hydraulic/pneumatic Dynamics & Control	S3 Numerical Simulation & Modeling	S4 Advanced Industrial Applications & Design
14:00 - 14:30	**Coffee break/Poster sessions**		**10th FL**
14:30 - 15:30	**Parallel sessions (03 oral presentations/each session)**		
S1 Turbomachine & Renewable Energy	S2 Hydraulic/pneumatic Dynamics & Control	S3 Numerical Simulation & Modeling	S4 Advanced Industrial Applications & Design
15:30 - 16:30	**Closing Ceremony**		**10th FL, Main Hall**

Opening/Closing and Keynote Lectures
Main Hall, 10th Floor

October 27

08:00 - 08:30   **Opening ceremony**

08:00 - 08:05   Introduction

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Master of Ceremony
</div>

08:05 - 08:10   Opening speech

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Assoc. Prof. Hoang Minh Son
(President of Hanoi University of Science and Technology)
</div>

08:10 - 08:15   Welcome speech

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Prof. Nguyen The Mich
(Chairman of ICFMAS2018)
</div>

08:15 - 08:20   Welcome speech

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Prof. Dang Vu Minh
(President of Vietnam Union of Science and Technology Associations)
</div>

08:20 - 08:30   Photo session

08:30 - 10:00   **Keynote Lectures**

Chair: Prof. Nguyen The Mich

<div align="right">

(Hanoi University of Science and Technology)
</div>

08:30 - 09:00   Unsteady Swirl Flow Suppression in the Draft Tube of Francis Hydro Turbine Model by J-Groove

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Prof. Young-Do Choi
(Mokpo National University, Korea)
</div>

09:00 - 09:30   Numerical and Experimental Investigation of Cavitation Instabilities in Turbopump in Liquid Propellant Rocket

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Prof. Iga Yuka
(Tohoku University, Japan)
</div>

09:30 - 10:00   Flow Analysis and Optimal Design of Fluid Machinery Based on Vortex Dynamics

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Prof. Baoshan Zhu
(Tsinghua University, China)
</div>

10:00 - 10:30   **Coffee break/Poster sessions**   **(10th FL)**

10:30 - 12:00   **Keynote Lectures**

Chair: Prof. Le Anh Tuan

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(Hanoi University of Science and Technology)
</div>

10:30 - 11:00   An Adaptive Mesh Refinement Multi-grid Finite Element Method for Simulating Incompressible Unsteady Flows

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Prof. Hyoung-Gwon Choi
(Seoul National University of Science and Technology, Korea)
</div>

11:00 - 11:30	The Dynamic Analysis and Control of Hydraulic Machine System and Industrial Robotic Manipulators

<div align="right">

Prof. Yunn-Lin Hwang
(National Formosa University, Taiwan)

</div>

11:30 - 12:00	Development of Preliminary Design for Tidal Power Plant at Kuching Barrage

<div align="right">

Prof. Andrew Ragai Henry Rigit
(Universiti Malaysia Sarawak, Malaysia)

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12:00 - 13:30	**Lunch** **(10th FL)**

October 28

15:30 - 16:30	**Closing Ceremony**

Parallel Sessions
Room 923
S1 - Turbomachine and Renewable Energy

October 27	

13:30 - 14:30	**Chair: Hyoung Gwon Choi**
	(Seoul National University of Science and Technology)

13:30 - 13:50	ICFMAS001: Aerodynamic Performances of a Transonic Axial Compressor with Rotor Hub Fillet
	Hoang-Tung Vu, Dinh-Quy Vu, Cong-Truong Dinh

13:50 - 14:10	ICFMAS002: Vertical Axis Wind Turbine with Pivoting Blades – A New Study of Vertical Axis WindTurbine
	Nguyen Van Khanh, Le Danh Lien

14:10 - 14:30	ICFMAS004: Design and Optimization of a Wind Turbine Blade Working at Low Wind Speeds
	Nguyen Cong Hao, Nguyen The Mich, Tran Van Tran

14:30 - 15:00	**Coffee break/Poster sessions** **(10th FL)**

15:00 - 16:00	**Chair: Le Van Sy**
	(Petro Vietnam University)

15:00 - 15:20	ICFMAS016: Evaluation of Performance and Wake Characteristics of Two-Bladed Tidal Stream Turbine Using Numerical Method
	Nguyen Manh Hung, Tran Hong Ha, Hoang Anh Dung, Changjo Yang

15:20 - 15:40	ICFMAS022: Influences of Inlet Configuration on Flow Hydrokinetic Behavior in GLCC Separator
	Le Van Sy, Dang Thuc Van

15:40 - 16:00	ICFMAS028: A Multi-Fidelity Model to Predict the Performance of Torpedo Propellers
	Nguyen Anh Tuan, Vu Thanh Trung, Bui Duy Thinh

October 28	

09:00 - 10:00	**Chair: Dang Ngoc Thanh**
	(Le Quy Don Technical University)

09:00 - 09:20	ICFMAS030: An Approach to Study the Airflow over 3D Objects by the Vortex-lattice Method
	Pham Thanh Dong, Nguyen Anh Tuan, Pham Vu Uy

09:20 - 09:40	ICFMAS031: Numerical Method to Study Helicopter Main Rotor-fuselage Aerodynamic Interaction
	Pham Thanh Dong, Nguyen Anh Tuan, Dang Ngoc Thanh, Pham Vu Uy

09:40 - 10:00	ICFMAS037: Constructing Computational Program to Determine Induced Torque Components on Helicopter Main Rotor Rotation Axis
	Nguyen Khanh Chinh, Pham Vu Uy

10:00 - 10:30	**Coffee break/Poster sessions**	**(10th FL)**

10:30 - 11:30	**Chair: Young-Do Choi**
	(Mokpo University)

10:30 - 10:50	ICFMAS042: Suppression of the Swirl Flow in a Draft Tube of a Bulb Turbine Model by Optimum J-Groove Shape
	Viet Luyen Vu, Young-Do Choi

10:50 - 11:10	ICFMAS054: Design Process of a Small-scale Wind Turbine for Water Pumping to Meet Household Needs
	Ly Hung Anh

11:10 - 11:30	ICFMAS068: Optimal Design of Wind Turbine Blades using Vortex Theory
	Tran Tien Anh

11:30 - 13:00	**Lunch**	**(10th FL)**

13:00 - 14:00	**Chair: Le Quang**
	(Hanoi University of Science and Technology)

13:00 - 13:20	ICFMAS073: Aerodynamic Performances of a Single-stage Transonic Axial Compressor with Blade Design near Stator Hub Surface
	Tuan-Long Vu, Tan-Hung Dinh, Cong-Truong Dinh

13:20 - 13:40	ICFMAS074: Effects of Different Rotors Distance on Aerodynamic Performances of a Multi-rotor Unmanned Aerial Vehicle
	Cong-Truong Dinh, Dinh-Quy Vu

13:40 - 14:00	ICFMAS080: Modeling the Characteristic Curve of Wind Turbine on Various Pitch Angle and Tip Speed Ratio
	Phan Tran Hong Long, Ho Ngoc Dung, Ho Sy Mao

14:00 - 14:30	**Coffee break/Poster sessions**	**(10th FL)**

14:30 - 15:30	**Chair: Nguyen Duc Cuong**
	(Vietnam Aerospace Association)

14:30 - 14:50	ICFMAS113: Study on the Effect of Solid Phase in Solid-liquid Two Phase Mixture on Working Mode of Centrifuge Feed Pump Systems at the Coal Processing Plants in Quang Ninh
	Vu Nam Ngan, Vu Ngoc Tra

14:50 - 15:10	ICFMAS126: Numerical Simulation of the Contra-Rotating Propeller by using Ansys CFX
	Vu Pham Duc Dung, Tran Tien Anh

15:10 - 15:30	ICFMAS130: Research Results of Design, Manufacture and Testing of Horizontal Axial Flow Submersible Pump (Capsule Type) for Irrigation, Drainage in Agriculture and Preventing Local Flooding
	Nguyen Minh Tuan, Nguyen Van Bay

Room 902
S2 - Hydraulic/pneumatic Dynamics and Control

October 27

13:30 - 14:30	**Chair: Nguyen Duc Hung**
	(University of Tasmania)

13:30 - 13:50	ICFMAS021: Researching and Building Mathematical Models in order to Calculate and Design the Pneumatic Pressure Stabilizer Automatic Valve
	Tang Xuan Long

13:50 - 14:10	ICFMAS025: A Rapid Object-Oriented Process to Develop Controllers for Autonomous Underwater Vehicles
	Ngo Van Hien, Pham Gia Diem

14:10 - 14:30	ICFMAS026: A Hierarchical Implementation Model to Realize Cooperative Controllers of AUS-MAUVs
	Nguyen Son Tung, Ngo Van Hien

14:30 - 15:00	**Coffee break/Poster sessions**	**(10th FL)**

15:00 - 16:00	**Chair: Nguyen Thien Tong**
	(Ho Chi Minh City University of Technology)

15:00 - 15:20	ICFMAS035: Effect of Friction Models on Simulation of Hydraulic Steering System
	Nguyen Van Lai, Tran Xuan Bo, Tran Khanh Duong

15:20 - 15:40	ICFMAS039: Modified Controls Doubly Fed Induction Generator under Unbalanced Voltage Dip for Reduction of Current Harmonic with PI-ANN Controller
	Hai Nguyen-Thanh

15:40 - 16:00	ICFMAS043: Neural Networks Based Control for an Autonomous Underwater Vehicle Equipped with the Collective and Cyclic Pitch Propeller
	Minh Q. Tran, Hung D. Nguyen

October 28

09:00 - 10:00	**Chair: Ngo Van Hien**
	(Hanoi University of Science and Technology)

09:00 - 09:20	ICFMAS044: Quantitative Manoeuvring Characteristics of an Underwater Vehicle Equipped with Collective and Cyclic Pitch Propeller
	Hung D. Nguyen, Arno Dubois, Zhi Q. Leong, Jonathan Binns, Minh Q. Tran

09:20 - 09:40	ICFMAS049: Ship Course Control by Integrating Neural Network with Modal Control Technique
	Le Thanh Tung, Hoang Cong Liem

09:40 - 10:00	ICFMAS052: The Calculation of the Pneumatic System Parametersof a Launcher for High Speed UAV
	Vương Trung Anh, Nguyễn Đức Cương, Vũ Hòa Bình, Phạm Văn Hiệp, Trần Duy Duyên

10:00 - 10:30	**Coffee break/Poster sessions**	**(10th FL)**

10:30 - 11:30	**Chair: Le Van Hoc**	
		(Vietnam Maritime University)

10:30 - 10:50	ICFMAS065: Modeling and Simulating Specialized Vehicle Regenerative Braking System
	Luyen Van Hieu, Ngo Sy Loc, Tran Khanh Duong, Phạm Văn Hải, Đồng Minh Tuấn

10:50 - 11:10	ICFMAS078: Identification of Aerodynamic Coefficients of Unmanned Aerial Vehicles According to Flight Testing Data
	Dang Ngoc Thanh, Nguyen Van Thang

11:10 - 11:30	ICFMAS082: Evaluate Basic Technical Parameters of the Electro-hydraulic Control System of the Ship Steering Gear
	Le Van Hoc, Nguyen Ngoc Dam

11:30 - 13:00	**Lunch**	**(10th FL)**

13:00 - 14:00	**Chair: Yunn-Lin Hwang**	
		(National Formosa University)

13:00 - 13:20	ICFMAS083: Design Control System Using the Sustainable Controller Incorporating Predictive Elements
	Nguyen Tien Sang, Le Duc Dung, Pikina Galina Alekceevna, Nguyen Tien Khang

13:20 - 13:40	ICFMAS092: Research on Modeling Hydraulic System of Working Tool of Hydraulic Excavator by Matlab Simhydraulics
	Chu Van Dat, Nguyen Tien Khu

13:40 - 14:00	ICFMAS102: Numerical Simulation of a Hydraulic Hoisting Actuator for Flat Gate of Irrigation Systems in Simhydraulics
	Van-Thuan Truong, Tuan-Anh Dao

14:00 - 14:30	**Coffee break/Poster sessions**	**(10th FL)**

14:30 - 15:30	**Chair: Ngo Sy loc**	
		(VinFPA)

14:30 - 14:50	ICFMAS110: Coefficient Diagram Method for Velocity Control of Hydraulic Motors
	Quang Hieu Ngo

14:50 - 15:10	ICFMAS117: Effects of Configurative Parameters on the Dynamic Stiffness and Stability of Pneumatic Vibration Isolation Model
	N.Y.P. Vo, M.K. Nguyen, T.D. Le

15:10 - 15:30	ICFMAS129: An Approach to Analyze the Threshold Stability of Internal Gear Motors and Pumps
	Trong Hoa Pham, Toan Thang Le, Wenming Cheng, Van Trung Vu, Anh Ngoc Nguyen, Thuy Chi Nguyen

Room 702
S3 - Numerical Simulation and Modeling

October 27	
13:30 - 14:30	**Chair: Iga Yuka**
	(Tohoku University)
13:30 - 13:50	ICFMAS008: Effects of Mesh on the Simulation of the 5.5 kW Centrifugal Fan of the Dong Tam Ltd
	Nguyen Ngoc Hoang Quan, Ngo Khanh Hieu
13:50 - 14:10	ICFMAS009: Propeller Simulation in Open-water Condition with SnappyHexMesh/OpenFOAM Mesh Generator
	Le Van Long, Mai Ngoc Luan, Ngo Khanh Hieu
14:10 - 14:30	ICFMAS017: The Application of DNS for the Research of the Appearance and Propagation of Nonstationary Disturbance Mach Wave
	Dinh Hoang Quan, Nguyen Quoc An
14:30 - 15:00	**Coffee break/Poster sessions** **(10th FL)**
15:00 - 16:00	**Chair: Baoshan Zhu**
	(Tsinghua University)
15:00 - 15:20	ICFMAS040: Comparison and Validation of Aerodynamic Prediction using Missile Datcom with CFD and Experimental
	Le Quoc Dinh, Vu Manh Hieu, Nhu Van Su, Dinh Tien Dung
15:20 - 15:40	ICFMAS058: Impact of Flow Configuration inside Spray Drying Tower onDrying Efficiency and Product Quality
	Thi Thu Hang Tran, Maciej Jaskulski, Kieu Hiep Le, Evangelos Tsotsas
15:40 - 16:00	ICFMAS059: A Numerical Investigation on Droplet Formation in Microfluidic Double T-junction under the Effects of Channel Depth
	Ich Long Ngo, Trung Dung Dang

October 28	
09:00 - 10:00	**Chair: Ngo Khanh Hieu**
	(Ho Chi Minh City University of Technology)
09:00 - 09:20	ICFMAS062: An Adaptive Coupled Level Set/Volume of Fluid Method for Simulation of Multiphase Flows on Unstructured Grids
	Long Cu Ngo, Hyoung Gwon Choi
09:20 - 09:40	ICFMAS070: A Study of Finite Element Method for Fluid-Structure Interaction on Large Deformation Using Spring Analogy Method and Delaunay Triangulation
	Sang T. Ha, Hieu V. Vu, Hyoung-Gwon Choi
09:40 - 10:00	ICFMAS071: Numerical Simulation of Cavitating Flow with Thermodynamic Effects of Cavitation
	Anh Dinh Le, Yuka Iga

10:00 - 10:30	**Coffee break/Poster sessions**	**(10th FL)**

10:30 - 11:30	**Chair: Truong Viet Anh**	
	(Hanoi University of Science and Technology)	

10:30 - 10:50	ICFMAS096: Developing New Design of a Top-lid Updraft Biomass Cookstove by CFD Modeling
	Linh Nguyen Huu, Dung Le Duc

10:50 - 11:10	ICFMAS100: A Study on Ions Transports Through Charged Nanopores
	Pham Van Sang, Nguyen Viet Bac

11:10 - 11:30	ICFMAS106: Discontinuous Galerkin for Advection–Diffusion Equation by Combining Recovery-based Scheme and Interface-Centered Binary-Reconstruction Scheme
	Loc H. Khieu, Eric Johnsen

11:30 - 13:00	**Lunch**	**(10th FL)**

13:00 - 14:00	**Chair: Truong Nguyen Luan Vu**	
	(Ho Chi Minh City University of Technology and Education)	

13:00 - 13:20	ICFMAS108: Study on Computation of Aerodynamic Force Acting on Bus in Crosswind Conditions by Using CFD
	Do Tien Quyet, Nguyen Trong Hoan, Trinh Minh Hoang

13:20 - 13:40	ICFMAS115: A Validation Study of an Iso-surface based VOF Technique in OpenFOAM® for Sloshing Problem
	Jiwon Choi, Kyoungsik Chang, Sang-Wook Lee, Geon-Hong Kim

13:40 - 14:00	ICFMAS119: A Numerical Study on Transitional Flow over Aerospatiale A-airfoil Using DDES/IDDES
	Gabin Lee, Kyongsik Chang, Sang-WookLee, Geon-Hong Kim

14:00 - 14:30	**Coffee break/Poster sessions**	**(10th FL)**

14:30 - 15:30	**Chair: Duong Ngoc Hai**	
	(Institute of Mechanics, VAST)	

14:30 - 14:50	ICFMAS120: Effects of the Spanwise Length of Computational Domain on LES based Airfoil Noise Prediction
	GyeongBo Kim, Kyoungsik Chang, Sang-Wook Lee, Geon-Hong Kim,Byeong Cheon Kim

14:50 - 15:10	ICFMAS121: Pressure Wave Propagation in Porous Structure Saturated with Water and Methane Bubbles
	A.A. Gubaidullin, O.Yu. Boldyreva, Duong Ngoc Hai, D.N. Dudko, N.G. Musakaev, Nguyen Tat Thang, Nguyen Quang Thai

15:10 - 15:30	ICFMAS138: Some Aspects of Cavitation Around a Triangular Cavitator with Curved Sides
	Pham Van Duyen, Nguyen Quang Huy, Hoang T. Hong Minh, Vu Van Duy, Truong Viet Anh

Room 303
S4 - Advanced Industrial Applications and Design

October 27

13:30 - 14:30	**Chair: Andrew Ragai Anak Henry Rigit**
	(Universiti Malaysia Sarawak)

13:30 - 13:50	ICFMAS012: Robust Multi-Loop PID Controller Design for Multivariable Process with Time Delay
	Phan Tan Hai, Truong Nguyen Luan Vu

13:50 - 14:10	ICFMAS027: Optimal Control of Power Flow in Hybrid Wind-diesel System Applied to Electrical System in Phu Quy Island
	Thang Diep-Thanh, Quang Nguyen-Phung, Huy Nguyen-Duc

14:10 - 14:30	ICFMAS036: Influence of the Designing Parameters on Flow Fluctuation and Pressure of the Improved Roots Blower
	Nguyen Hong Thai, Tran Ngoc Tien, Phan Tien Dung, Nguyen Quang Huy

14:30 - 15:00	**Coffee break/Poster sessions**	**(10th FL)**

15:00 - 16:00	**Chair: Nguyen Phung Quang**
	(Hanoi University of Science and Technology)

15:00 - 15:20	ICFMAS038: Balance Control Method for UAV Camera Using Zero Velocity Controller
	Nguyen Khac Thap, Nguyen Van Tam , Mac Luu Phong , Pham Van Tien

15:20 - 15:40	ICFMAS066: Development of a New Side-coil MR Brake Employing Separating Walls between the Coils and MR Fluid
	Nguyen Ngọc Diep, Le Dai Hiep, Nguyen Quoc Hung

15:40 - 16:00	ICFMAS081: A Study on Air Flow Through Intake Manifold of an Inline 4 Cyliner Engine
	Nguyen Phu Thuong Luu

October 28

09:00 - 10:00	**Chair: Dang The Ba**
	(University of Engineering and Technology, VNU)

09:00 - 09:20	ICFMAS087: Investigate Magnetic Field of Dual Halbach Array in Linear Generator using for Wave Energy Conversion
	Do Huy Diep, Dang The Ba, Nguyen Van Duc

09:20 - 09:40	ICFMAS093: A Study on Lateral Instability of Tractor Semitrailer Turning Maneuvers on Roads with High Adhesion Coefficient
	Duong Ngoc Khanh, Vo Van Huong, Ta Tuan Hung

09:40 - 10:00	ICFMAS094: Simulation of Flow Rate in a Water-in-Glass Evacuated Tube Solar Water Heater
	Van Chuong Ta, Nguyen An Nguyen, Quoc Uy Nguyen

10:00 - 10:30	**Coffee break/Poster sessions**	**(10th FL)**
10:30 - 11:30	**Chair: Nguyen Duc Hung**	
	(University of Tasmania)	

10:30 - 10:50	ICFMAS105: Design and Manufacture Constant Volume Combustion Chamber (CVCC) Application for Combustion Study *Nguyen Phi Truong, Nguyen Tuan Nghia, Le Anh Tuan*
10:50 - 11:10	ICFMAS112: Improve Intake Port/Valve of RV165-2 Engine by Simulation Method *Le Viet Hung, Do Van Dung, Nguyen Anh Thi*
11:10 - 11:30	ICFMAS118: Disturbance Observer Based Adaptive Sliding Mode Control and Its Application to a Self-balance Dual-arm Field Robot *Hoang Son, Dian Songyi, Duong Van Tai*

11:30 - 13:00	**Lunch**	**(10th FL)**
13:00 - 14:00	**Chair: Hoang Duc Lien**	
	(Viet Nam National University of Agriculture)	

13:00 - 13:20	ICFMAS122: Modified Controls Doubly Fed Induction Generator under Unbalanced Voltage Dip for Reduction of Current Harmonic with PI-ANN Controller *Hai Nguyen-Thanh*
13:20 - 13:40	ICFMAS124: Evaluating the Ability of Salinity Intrusion Prevention for Tam Ky River of Phu Ninh Reservoir *Cuong T. Nguyen, Kien C. Nguyen, Phuong T.T. Phan, Son T. Hoang*
13:40 - 14:00	ICFMAS127: Development and Application of a Simulation Model for Intermittent Gas Lift Method in Petroleum Production *Le Quoc Trung, Nguyen The Duc*

14:00 - 14:30	**Coffee break/Poster sessions**	**(10th FL)**
14:30 - 15:30	**Chair: Nguyen The Duc**	
	(Vietnam Petroleum Institute)	

14:30 - 14:50	ICFMAS135: A Solution for Measuring the Oil Film Temperature of the Connecting-rod Big End Bearing in the Experimental Device *Tran Thi Thanh Hai, Pham Trung Thien, Luu Trong Thuan*
14:50 - 15:10	ICFMAS136: Aeroacoustics Analysis of Main Rotor of Helicopter UAV *Nguyen Hoang Son, Hoang Thi Kim Dung, Nguyen Phu Khanh*
15:10 - 15:30	ICFMAS137: Modelling of Thermal Behavior of Thermosyphon *Cong Nghia Phong, Hoang Thi Kim Dung, Nguyen Phu Khanh*

Poster Session (10th Floor)

P1	ICFMAS003	The Coefficient of Wind Power Utilization of Vertical Axis Wind Turbine with Pivoting Blades
		Le Danh Lien, Nguyen Van Khanh

P2	ICFMAS005	Relationship of Geometric Parameters and Kinetic to Characteristics of Wind Turbine Works at Low Wind Speed
		Nguyen Cong Hao, Nguyen The Mich, Tran Van Tran

P3	ICFMAS006	Numerical Simulation and Testing of a Two-boby Heaving Wave Energy Converter
		Phung Van Ngoc, Nguyen The Mich, Dang The Ba, Chu Dinh Do

P4	ICFMAS010	Model Order Reduction for Highly Non-linear and Stiff Convection-Diffusion-Reaction Flow Problem
		Van Bo Nguyen, The Mich Nguyen

P5	ICFMAS013	Studying Hydraulic Regenerative Braking System on the Dump Truck
		Luyen Van Hieu, Ngo Sy Loc, Tran Khanh Duong

P6	ICFMAS014	Using CFD to Investigate Effect of Rudder on Propeller's Hydrodynamic Characteristics
		Nguyen Chi Cong, Lương Ngọc Lợi, Ngô Văn Hệ, Vũ Văn Duy, Phạm Kỳ Quang

P7	ICFMAS015	A Novel Design and Performance Analysis of Mini Water Turbine-Generator for Portable Applications Using CFD with Experimental Validation
		Anh Dung Hoang, Chang-Jo Yang, Manh Hung Nguyen, Hong Ha Tran

P8	ICFMAS018	The Application of DNS for Investigation of Laminar-turbulent Transition by Tollmien-Schlichting Wave in the Supersonic Boundary Layer
		Dinh Hoang Quan, Phan Van Tu, Dang Ngoc Thanh

P9	ICFMAS019	To Suggest the Two-pitch Propeller Uses for Fishing Ships Operating in VietNam's Ocean
		Nguyen Chi Cong, Lương Ngọc Lợi, Ngô Văn Hệ, Vũ Văn Duy, Phạm Kỳ Quang

P10	ICFMAS020	A New Concept of Savonius Turbines to Improve the Power Coefficient
		Mich Nguyen The, Van-Thuan Truong, Trong-Hiep Nguyen, Truong V. Vu

P11	ICFMAS024	Calculation of Thermodynamic Parameters of High Pressure Turbine Stage of DR 76 Engine Based on Geometric Parameters
		Vu Duc Manh, Nguyen Trung Kien, Dao Trong Thang

P12	ICFMAS032	Model of Cascade Reservoirs Operation and Relationship of Annual Energy Production with Price in Vietnam Competitive Generation Market
		Phan Tran Hong Long, Le Quoc Hung

P13	ICFMAS033	Computation of the Critical Speed of a Rotor Supported by Foil-air Bearings
		Pham Minh Hai, Nguyen Minh Quan

P14	ICFMAS046	Design and Manufacture of Five-hole Air-data Probe: Identification and Calibration Using Least-Squares Method
		Do Cat Tuan, Nguyen Cao Truong Son, Ngo Dinh Tri, Le Thi Minh Nghia

P15	ICFMAS050	The Gas Generator with Two Zones of Fire - mixed Complexin the Liquid Fuel Jet Engine
		Nguyen Hanh Hoan

P16	ICFMAS051	Effect of Runner Blade Density Ratio (l/t) on Energy Characteristics of H-type Darrieus Turbine
		Nguyen Quoc Tuan, Nguyen The Mich, Vu Van Truong, Do Huy Cuong

P17	ICFMAS055	Study on Identifying Several Geometric Parameters of Hydrostatic Spindle Bearing on External Cylindrical Grinding Machine based on Ability of Manufacturing Technology
		Van-Hung Pham, Tuan-Anh Bui, Thuy-Duong Nguyen

P18	ICFMAS057	Studying Effects of Extending Forces on the Ship Hull in Maneuvering
		Vũ Văn Duy, Phạm Kỳ Quang, Nguyễn Thành Nhật Lai, Nguyễn Chí Công

P19	ICFMAS060	Numerical Study of the Aerodynamic Characteristics and the Equilibrium of Unmanned Aerial Vehicle Regarding the Horizontal Tail Role
		Bui Vinh Binh, Hoang Thi Bich Ngoc, Nguyen Hong Son

P20	ICFMAS061	Numerical Simulation for Solidification of Water, Molten Silicon, Molten Germanium on a Cold Plate
		Binh D. Pham, Truong V. Vu

P21	ICFMAS063	On Different Forms of Energy Equation in Engineering
		Nguyen Van Que

P22	ICFMAS064	The Flow Behavior of the Gas-Liquid Cylindrical Cyclone (GLCC) Separator when Changing the Different Geometrical Configurations of Inlets
		Ho Minh Kha, Nguyen Thanh Nam, Hoang Duc Lien, Nguyen Ngoc Phuong, Vo Tuyen

P23	ICFMAS077	Research on the Star Topology Connection of Multi-PLC for Automation Control
		Vo Nhu Thanh, Tran Ngoc Hai

P24	ICFMAS084	Modeling and Simulation Research Position Control of Hydraulic Cylinder using High Speed on/off Valve is based on the Method PWM (Pulse Width Modulation) of Control Pulse
		Do Viet Long, Hoang Sinh Truong, Tran Xuan Bo

P25	ICFMAS090	Effect of Accommodation and Container on Air Resistance Acting on Hull of the Container Ship
		Ngo Van He, Bui Dinh The

P26	ICFMAS091	Aerodynamic Modeling of a Missile Model using a Semi-Empirical Datasheet Component Build-up Method
		Luu Hong Quan, Le Tran Thanh Hai, Le Doan Quang, Nguyen Phu Hung
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