

# RUNDOWN PROGRAM, ICASA 2018

## VENUE: AULA BARAT ITB, BANDUNG

October 23, 2018 (TUESDAY): Workshop on International Publication

VENUE: Aula Barat ITB, Bandung

13:00 - 14:00	Registration and admission
14:00 - 16:00	Preparing your research paper for a reputable international journal (by Dr. Ferry Iskandar) - in Indonesian
16:00 - 16:15	Coffee Break and closing
16:15 - 17:00	ITB Campus Tour
18:30 - 21:30	Gala Dinner and Official Opening Ceremony at Aula Barat ITB (West Hall of ITB), Bandung

### October 24, 2018 (WEDNESDAY) at Aula Barat ITB (West Hall of ITB)

07:30 - 08:00	Registration and Admission			
08:00 - 08:15	Welcoming Speech by <b>Dr. Taufiq Mulyanto</b> , ICASA Conference Chair			
08:15 - 10:15	Plenary Keynote Speaker Session			
	<b>Jusman Syafi'i Djamal - Minister of Transportation Republic Indonesia (2007 - 2009)</b> <b>The Future of Airline Industry</b>			
	<b>Prof. Florian Holzapfel - Technische Universitat Munchen, Germany</b> <b>Requirement Driven Model Based Development of Modern Control Laws for Fly-by-Wire Aerial Systems</b>			
	<b>Prof. Wahyu Kuntjoro - University Teknologi of MARA, Malaysia</b> <b>Structural Health Monitoring of Fighter Airplanes</b>			
	<b>Dr. Lavi R. Zuhail - Institut Teknologi Bandung, Indonesia</b> <b>Modern tools for Aerospace Engineering Research and Design</b>			
10:15 - 10:30	Coffee Break			
10:30 - 12:00	Session for Oral Presentation I			
	Aviation Sci. & Technology 1 (Airport) Room 1 (session 1)	Aviation Sci. & Technology (MRO) Room 2 (session 1)	Aerospace Engineering (Aircraft) Room 3 (session 1)	Aerospace Engineering (Propulsion) Room 4 (session 1)
	<b>Session Chair:</b>	<b>Session Chair:</b>	<b>Session Chair:</b>	<b>Session Chair:</b>
	<b>Assistant:</b>	<b>Assistant:</b>	<b>Assistant:</b>	<b>Assistant:</b>
<b>1</b>	<b>Rully Medianto(ICASA18-104)</b> DEVELOPMENT OF TRI-HYBRID SIMULATION MODEL OF TRAFFIC AIR MANAGEMENT SYSTEM IN TERMINAL CONTROL AREA	<b>Frideyas K. Suciati and Edy Suwondo (ICASA18-130)</b> Improvement of Unscheduled Removal Component Reliability Calculation Method with No Fault Found (NFF) Shop Finding Results	<b>Ema Amalia, Mochammad Agoes Moelyadi and Ratih Julistina (ICASA18-125)</b> Aerodynamics Performance of Glider GL-1 Based on Computational Fluid Dynamics in Optimum Flight Conditions	<b>Iwana Syarafina, Putra Adnan and Firman Hartono (ICASA18-126)</b> Design of Single Stage Axial Turbine for Small Jet Engine
<b>2</b>	<b>Irfan Sundiang(ICASA18-115)</b> OPTIMALIZATION AIRCRAFT PARKING CAPACITY (APRON) IN MINANGKABAU INTERNATIONAL AIRPORT PADANG	<b>Cesario Iriansyah and Edy Suwondo (ICASA18-131)</b> Design Procedure to Assess the Compliance of Airlines' Financial Commitments to MRO Companies	<b>Dr. Taufiq Mulyanto ST (ICASA18-109)</b> Preliminary Design of GL-1 Sailplane Cockpit Arrangement and Control Mechanism Preliminary based on EASA CS-22 Requirements	<b>Fariz Ichsan Habibi, Firman Hartono and Herdianto Prayogo (ICASA18-134)</b> Optimization of a Reverse-Flow Annular Combustion Chamber for Micro Turbo Jet System
<b>3</b>	<b>Fredy Kristiawan(ICASA18-121)</b> EVALUATION OF ADEQUACY OF RUNWAY MAINTENANCE SCHEDULE BASED ON AIRCRAFT MOVEMENT GROWTH IN JUANDA INTERNATIONAL AIRPORT	<b>E. Suwondo and R. Sianturi (ICASA18-139)</b> The Development of a Quantitative RCM/MSG Application using Microsoft Office	<b>Hendarko (ICASA18-150)</b> Design of Flight Control System Mechanism for National Glider GL-1	<b>LAZUARDY RAHENDRA PINANDHITA (ICASA18-144)</b> THE DESIGN OF NOISE ATTENUATION FOR GAS TURBINE GTS 22 ENGINE
<b>4</b>	<b>Mahardi Sadono, Dani Yulianto Putra and Saphira Alifa (ICASA18-122)</b> Development of Aircraft Movement Simulation in Airport Airside Area	<b>C. D. W. Kuswardani and E. Suwondo(ICASA18-162)</b> A modeling of the Demand and Supply of Rotable and Repairable Aircraft Components (Case Study: Brake Assembly of Boeing 737-800)	<b>Yudki Utama and Pramudita Palar (ICASA18-117)</b> Kriging-based Bayesian Optimization to Minimize Rudder Hinge Moment	<b>Mitra Khasyofi (ICASA18-146)</b> Development Testing Method and Analysis Static Thrust for Propeller Based Propulsion
<b>5</b>	<b>Aprilia Sakti Kusumalestari and Freddy Franciscus (ICASA18-124)</b> Circular Airport Concept Analysis for Indonesian Archipelago	<b>C. D. W. Kuswardani and E. Suwondo(ICASA18-162)</b> A modeling of the Demand and Supply of Rotable and Repairable Aircraft Components (Case Study: Brake Assembly of Boeing 737-800)	<b>DWI ROCHMA AGUSTININGSIH (ICASA18-137)</b> ANALYSIS OF 6-PULSE AND 12-PULSE IN CONVERSION 115VAC / 400HZ TO 270 VDC FOR APPLICATION ON FIGHTER	<b>Zaim Sidqi Islami and Firman Hartono (ICASA18-154)</b> Propeller Performance Analysis Study using Theoretical, Numerical and Experimental Method

6	F.D.Chilongola and E. Ahyudanari (ICASA18-168) Aviation and Aircraft Engine Emission at Juanda International Airport			Firman Hartono and Ronald Bessie (ICASA18-155) Design and Testing of Contra-rotating Axial Fan for Low Speed Wind Tunnel										
12:00 - 13:00 Lunch														
13:00 - 15.00 Session for Oral Presentation II & POSTERS <sup>*)</sup>														
1	Aviation Sci. & Technology (Multidisciplinary) Room 1 (session 2)	Applied Sci. & Engineering Room 2 (session 2)	Aerospace Engineering (Aerodynamics) Room 3 (session 2)	Aerospace Engineering (Structure and Combat) Room 4 (session 2)										
<table border="1"> <tr> <td data-bbox="54 1238 227 1382">Session Chair:</td> <td data-bbox="227 1238 642 1382">Session Chair:</td> <td data-bbox="642 1238 1054 1382">Session Chair:</td> <td data-bbox="1054 1238 1466 1382">Session Chair:</td> <td data-bbox="1466 1238 1877 1382">Session Chair:</td> </tr> <tr> <td data-bbox="54 1382 227 1445">Assistant:</td> <td data-bbox="227 1382 642 1445">Assistant:</td> <td data-bbox="642 1382 1054 1445">Assistant:</td> <td data-bbox="1054 1382 1466 1445">Assistant:</td> <td data-bbox="1466 1382 1877 1445">Assistant:</td> </tr> </table>					Session Chair:	Session Chair:	Session Chair:	Session Chair:	Session Chair:	Assistant:	Assistant:	Assistant:	Assistant:	Assistant:
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1	Riani Nurdin, Eko Poerwanto and Haruno Sajati(ICASA18-116) The Development of a Model for Complaint Delivery on Aviation Industry in Indonesia Based on SMS Gateway to Promote Flight Safety	Dian Pratiwi (ICASA18-103) Texture Traits with Uniform-Quantization in Handwriting Documents for Digital Forensics Investigation	Reo Yudhono (ICASA18-152) Aerodynamic simulation of wing-tip on a bird-like fixed-wing UAV	Khairul Ummah (ICASA18-112) Fight Decision Support System in BVR air combat using Fuzzy Logic Algorithm										
2	Aprilia Sakti Kusumalestari, Santoso Sukirno, Muhammad Suryanegara and Harry Sudibyo (ICASA18-123) On Developing the Noise Reduction Model for Indonesian Aviation	Dwi Marisa E. (ICASA18-136) Comparative Analysis of Tsukomoto and Sugeno Method of Fuzzy Interface System for Sales Medicine	CAO XUAN CANH (ICASA18-149) Comparison between Vortex-In-Cell and Vortex-Particle Method on two-dimensional problem	Mirzaul Karim Hussain and K.S.R.K. Murthy (ICASA18-153) Rapid evaluation of notch stress intensity factors of diamond and lens shaped V-notched plates by the point substitution displacement technique										
3	Mohd Harridon and Mohd Riza (ICASA18-133) Flight Profile Analysis : Finding Correlations using Scatter Plot Method and Evaluation of Scatter Plot	Tobias P. Tambuan (ICASA18-142) Maximum Integrator Gain of PID on Performing Position Control of DC Motor in the Presence of Stribeck Friction: Kalman Conjecture Approach	Florence Nightingale Manurung (ICASA18-166) INVERSE DESIGN OF AIRFOIL BASED ON OPTIMIZED TARGET PRESSURE DISTRIBUTION FROM AIRCRAFT WING AT LOW REYNOLDS NUMBER	Muhammad Miftahul Firdaus (ICASA18-169) Finite Element Analysis of Bird Strike Impact on Regional Aircraft Windshield										
4	Nor Hisham Ghafar (ICASA18-132) Developing new aviation management postgraduate program in responding to Industry 4.0: Key findings from multistages-multilevels market study	Tobias P. Tambuan (ICASA18-143) On Stabilizing Hydraulic Motion Experiencing Stribeck Friction via PI Controller: A Circle Criterion Approach	Muhammad Dary Farras Haidar (ICASA18-167) Design and Performance Analysis of Low Reynolds Number Propeller using Analytical and Numerical Simulation Methods	Aditya Prayoga (ICASA18-170) Finite Element Analysis of Bird Strike Impact on Regional Aircraft Leading Edge Structure										
5	Mohammad Fakhrol Nizam Mohammad(ICASA18-135) ANALYTICAL ASSESSMENT ON THE NEEDS FOR KNOWLEDGE ENHANCEMENT AMONG AVIATION PRACTITIONERS'	Dhimas Satria, Romi Wiryadinata, Mochamad Ibrahim Adji, Dovan Pujangga Asmara Lanank Esiswitoyo, Erny Listijorini and Rina Lusiani (ICASA18-145) On Hydrodynamic Analysis of Observation Class Remotely Operated Vehicle (ROV) Initial Design using Computational Fluid Dynamics	Bintang A.S.W.A.M., Ema Amalia, Djoko Sardjadi (ICASA18-171) On Hypothesis of the existence of Superfine Fluid that Producing Electromagnetic Field	Rika Nuriwati & R.A.Sasongko (ICASA18-164) Development Flight Path Control for Unmanned Combat Aerial Vehicle (UCAV) Using Total Energy Control System (TECS)										
6	Neno Ruseno(ICASA18-147) Body of Knowledge in Research of Air Traffic Management	Nugraha Setya Ardi (ICASA18-102)Development of Star Pattern Recognition Algorithm for Star Sensor Using nC3 Combination of Triangles Pattern	Sheila Tobing (ICASA18-118) Drag of an Elliptical Airfoil at a Low Reynolds Number	Azizul Hanif & R. A. Sasongko (ICASA18-165) Development of Maneuver Control System for Unmanned Combat Aerial Vehicle (UCAV)										
7	Ir. Hardianto Iridiastadi MSIE, Ph. d.(ICASA18-151) Blink Rates as Measures of Cognitive Demands during Simulated Flights			Jehian Panangian Sijabat (ICASA18-148) Radar Cross Section Analysis of Unmanned Combat Aerial Vehicle Using FEKO Software										

8	Daniel Tampak Raja T Sitohang, ST (ICASA18-110) Development of Risk-Based Work Breakdown Structure (WBS) Standard to Improve Scheduling Planning of Airport Construction Work	Yosua Parlindungan (ICASA18-111) An Experimental Analysis on the Effects of Stagger on the Aerodynamic Forces of Tandem Wings	Miftahul Firdaus and Fazat Alfani (ICASA18-128) Weight and Stiffness Optimization of Sandwich Structure with Metal Foam Cores
	9	Sajith S, K.S.R.K. Murthy and P.S. Robi (ICASA18-156) A crack flank displacement method for the determination of stress intensity factors of 2D cracked configurations	Riyadi Juhana, Romie Oktovianus Bura, Sovian Aritohang (ICASA18-172) The Simulation Model of Iron Sponge Plant Layout for the Defense Industry Based on Industry 4.0 Model
15.00-16.00	Closing and Coffee Break		

**\*) POSTER PRESENTERS**

<p><b>Qudsiyyatul Lailiyah (ICASA18-106)</b> Thermal Performance of Insulation Material for Chamber Wall</p>
<p><b>Tomasz Trzepiecinski and Hirpa Gelgele Lemu (ICASA18-138)</b> Prediction of springback in the air V-bending of metallic sheets</p>
<p><b>Akhmad Zein Dwi Mustofa (ICASA18-159)</b> MANUFACTURING FIBERGLASS-EPOXY LSU-03 AIRCRAFT PROPELLER USING HAND LAY-UP AND VACUUM ASSISTED RESIN TRANSFER MOULDING (VARTM) METHODS</p>
<p><b>Akhmad Zein Dwi Mustofa (ICASA18-160)</b> VARIATION STUDY OF COMPOSITE LSU-03 PROPELLER MANUFACTURED USING HAND LAY-UP METHOD</p>

**October 25, 2018 (THURSDAY) - FIELD TRIP \*\*)**

08:00 - 16:00	Touristics Places in Bandung and surrounding
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