

Interactive presentation schedule

This is the programme (sequence) of the interactive presentations.

Each slot is 10 minutes where the presentation videos are played.

There's no Q&A afterwards so if you have questions, please contact the author directly via email.

Track 1

<p>ICAS2020-P1.1 - ICAS2020_0154: D. Chen¹, Y. Li¹, Y. Li¹, L. Guan, Tsinghua University, China; Q. Wang, Beijing Aerospace Technology Institute, China; ¹Northwestern Polytechnical University, China CONCEPTUAL DESIGN OF A FIXED-WING AQUATIC UAV USING KNOWLEDGE BASED ENGINEERING</p>
<p>ICAS2020-P1.2 - ICAS2020_0155: W. Wang, School of Aeronautics, Northwestern Polytechnical University, China; W. Yang¹, B. Song¹; ¹Research & Development Institute of NWPU, China NUMERICAL SIMULATION ON AERODYNAMIC CHARACTERISTICS OF BIONIC CORRUGATED FLAPPING WING</p>
<p>ICAS2020-P1.3 - ICAS2020_0317: Guo Jingrui¹, Li Yi, School of Aeronautics, Northwestern Polytechnical University, China; Xu Min¹; ¹School of Astronautics, Northwestern Polytechnical University, China AN ADJOINT-BASDF AERO-STRUCTURAL DESIGN OPTIMIZATION METHOD USING DYNAMIC MESH TECHNOLOGY</p>
<p>ICAS2020-P1.4 - ICAS2020_0333: Y. Li¹, W. Yang¹, A. Chen¹, R. Zhang¹; ¹School of Aeronautics, Northwestern Polytechnical University, China MECHANISM DESIGN AND AERODYNAMIC RESEARCH OF RETRACTABLE FOLDING FLAPPING WING</p>
<p>ICAS2020-P1.5 - ICAS2020_0851: H.-L. Liu¹, M.-H. Tang¹, A.-Y. Zhu¹, W. Kong¹, H.-C. Shi, The First Military Representative Office of the Air Force Equipm, China; ¹Chengdu Aircraft Industrial (Group) Co., Ltd, China RESEARCH ON BARYCENTER MEASUREMENT METHOD IN LAUNCH OF ROCKET-BOOSTED UNMANNED AERIAL VEHICLES</p>
<p>ICAS2020-P1.6 - ICAS2020_1154: Guangping Qian¹, Yuhan Wang¹, Chao Ma¹; ¹COMAC, China THE STUDY ON ANTI-ICING AREAS OF LEADING-EDGE SLATS IN MODERN CIVIL AIRCRAFT</p>
<p>ICAS2020-P1.7 - ICAS2020_1155: C. MA¹, Z.Y. CHEN¹; ¹Shanghai Aircraft Design and Research Institute, China FAST ITERATIVE SIMULATION OF WING PLANFORM CONCEPTUAL DESIGN</p>
<p>ICAS2020-P3.4.1 - ICAS2020_1183: J.X. Gao¹, W.Q. Yang¹, R. Zhang¹, Y.B. Li¹; ¹Northwestern Polytechnical University, China NUMERICAL SIMULATION ON AERODYNAMIC PERFORMANCE OF BIRD-LIKE FLAPPING WING LEADING EDGE COVERTS</p>
<p>ICAS2020-P3.4.2 - ICAS2020_1240: R. Zhang¹, W.Q. Yang¹, Y.B. Li¹, J.X. Gao¹; ¹School of Aeronautics, Northwestern Polytechnical University, China NUMERICAL SIMULATION OF VARIABLE WINGSPAN EFFECTS ON A BIONIC FLAPPING WING</p>

Track 2

<p>ICAS2020-P2.1 - ICAS2020_0077: W. Cheng¹, C. Xing¹, J. Xu¹, G. Song¹; ¹Aviation Industry Development Research Center of China, China RESEARCH ON ARCHITECTURE FRAMEWORK MODEL BASED EVALUATION INDEX FOR AVIATION SCIENCE & TECHNOLOGY MANAGEMENT</p>
<p>ICAS2020-P2.2 - ICAS2020_0168: L. Liu¹, X.F. Yang¹, G.M. Xiao¹, D. Wei¹, W. Tang, Southwest University of Science and Technology, China; ¹State Key Laboratory of Aerodynamics, CARDC, China AN ENERGY BASED WEIGHT ESTIMATION TECHNIQUE OF TWO-STAGE-TO-ORBIT REUSABLE LAUNCH VEHICLES</p>



ICAS2020-P2.3 - ICAS2020_0252: Wenyuan CHENG ¹ , Chenguang XING ¹ , Gang SONG ¹ ; ¹ Aviation Industry Development Research Center of China , China A CONTRASTIVE STUDY OF STANDARD SPECIFICATION FOR TECHNOLOGY READINESS ASSESSMENT
ICAS2020-P2.4 - ICAS2020_0485: C.-J. He ¹ , L.-L. Wang ¹ , J.-H. Yang ¹ ; ¹ xi'an aircraft design institute, China COMPREHENSIVE REDUNDANCY MANAGEMENT AND VERIFICATION STRATEGYFOR TASK-BASED AIR MANAGEMENT SYSTEM
ICAS2020-P2.5 - ICAS2020_0581: Y. Guo ¹ , C. Ma ¹ , X. Dong ¹ ; ¹ Northwestern Polytechnical University, China RESEARCH ON SELECTION METHODS FOR AIRCRAFT LANDING GEAR SYSTEM HEALTH FEATURE PARAMETERS
ICAS2020-P2.6 - ICAS2020_0720: Yanxin Che, Liaoning, China APPLICATION OF MBSE IN AEROENGINE STRUCTURAL PARAMETER CALCULATING SYSTEM
ICAS2020-P2.7 - ICAS2020_0744: S. Chang ¹ , D.W. Xia ¹ , Z.K. Yan ¹ , X. Jiang ¹ , J. Tang ¹ , H.T. Zhong ¹ ; ¹ COMAC, China SYSTEM ENGINEERING THINKING ON COMMERCIAL AIRCRAFT FLIGHT TEST
ICAS2020-P2.8 - ICAS2020_0795: Quan Li ¹ , Yan An ¹ ; ¹ AVIC Xi'an Aircraft Industry Group Company LTD., China RESEARCH ON FUNCTIONAL RISK ASSESSMENT TECHNOLOGY OF MILITARY AIRCRAFT
ICAS2020-P2.9 - ICAS2020_0803: Shen Jieshi ¹ , Zhou Qing ¹ , Li Bingfei ¹ , Chen Cong ¹ ; ¹ Chinese Aeronautical Radio and Electronics Research Institute, China CO-SIMULATION OF SYSML AND SIMULINK OR MODELICA USING FMI

Track 3

ICAS2020-P2.10 - ICAS2020_0857: Vladimir Budzko, FRC, Russia; German Kazarinov ¹ , Ivan Mikhalyln ¹ ; ¹ NRC Zhukovsky, Russia CREATING A MULTI-FUNCTIONAL EXPERT ANALYTICAL SYSTEM IN THE AIRCRAFT INDUSTRY AND THE FORMATION OF GENERAL REQUIREMENTS
ICAS2020-P2.12 - ICAS2020_1244: WU BIN ¹ , WU BIN ² , QIU XUDONG ¹ , QIU XUDONG ² ; ¹ Nanjing University of Aeronautics and Astronautics, China; ² COMAC Shanghai Aircraft Design and Research Institute, China THE CIVIL AIRCRAFT DEVELOPMENT PROJECT RISK MANAGEMENT RESEARCH
ICAS2020-P2.12 - ICAS2020_1309: Bing Xue, China; Bin Luo, China; ZhiJuan Zhan, China; YunHui Wang, China A NEW SERVICE ORIENTED ARCHITECTURE DESIGN METHOD FOR AVIONICS SOS
ICAS2020-P3.2.1 - ICAS2020_0040: Q. Liu ¹ , Z. Luo ¹ , Z. Liu ¹ , X. Deng ¹ , P. Cheng ¹ ; ¹ National University of Defense Technology, China EXPERIMENTAL INVESTIGATION ON SUPERSONIC BOUNDARY LAYER TRANSITION INDUCED BY SINGLE/MULTI- ROUGHNESS ELEMENTS
ICAS2020-P3.2.2 - ICAS2020_0140: Z.-B. Zhang ¹ , M.-S. Yang ¹ , H. Wu ¹ , M. Wang ¹ ; ¹ Shenyang Engine Research Institute, China EXPERIMENTAL INVESTIGATION ON FLOW CHARACTERISTICS IN COMPRESSOR ACOUSTIC-CAVITY RESONANCE TEST FACILITY BY PIV
ICAS2020-P3.2.3 - ICAS2020_0182: X.W. Xu ¹ , S.H. Yi ¹ , J.H. Han ¹ , W.P. Zheng ¹ , Z.H. Xia ¹ ; ¹ National University of Defense Technology, China EXPERIMENTAL INVESTIGATION OF HYPERSONIC BOUNDARY LAYER TRANSITION ON A SHARP CONE UNDER DIFFERENT ANGLES-OF-ATTACK
ICAS2020-P3.2.5 - ICAS2020_0500: X. Li ¹ , Z. Liu ¹ , Z. Qian ¹ ; ¹ AVIC Aerodynamics Research Institute, China A STUDY OF SONIC BOOM TEST WITH NOZZLE PLUME INTERACTIONS
ICAS2020-P8.1 - ICAS2020_0542: X. Zhu ¹ , H. Wang ¹ , L. Liu ¹ ; ¹ Chengdu Aircraft Industrial (Group) Co., Ltd, China ASSEMBLY QUALITY OPTIMIZATION APPROACH FOR LARGE-SCALE ACTIVE COMPONENTS BASED ON REVERSE ENGINEERING
ICAS2020-P8.2 - ICAS2020_1223: L.S. Luna ¹ , G.A.P. Caurin ¹ , M.L. Tronco ¹ ; ¹ University of São Paulo, Brazil USAGE OF MQTT, ROS, AND AWS IN THE MANUFACTURING PROCESS OF AIRCRAFTS



Track 4

ICAS2020-P3.1.1 - ICAS2020_0285: Jinyou SU, China; Zhili TANG, China; Jinhu TIAN, China; Biao PAN, China; Shaojun LUO, China CFD OPTIMUM DESIGN OF SUPERSONIC EJECTOR SYSTEM STRUCTURE OF TEST CELL
ICAS2020-P3.1.2 - ICAS2020_0315: H. Chen, China; X. Yuan, China; R. Hua, China; Z. Tang, China; L. Bi, China; S. Meng, China SIMULATION OF HIGH REYNOLDS NUMBER VISCOUS FLOW BASED ON ADAPTIVE CARTESIAN GRID
ICAS2020-P3.1.3 - ICAS2020_0845: H. Chen ¹ , Y.F. Yang ¹ , P. Xue ¹ , X.X. Li ¹ , C. Dong ¹ , S. Wang ¹ , M.X. Zhang ¹ ; ¹ Beijing Institute of Space Long March Vehicle, China INVESTIGATION ON DIFFERENT NUMERICAL SIMULATIONMETHODS OF ROCKET ENGINE
ICAS2020-P3.1.4 - ICAS2020_0899: G.Y. Li, AVIC Xi'an Aircraft Industry Group Company LTD., China; T. Miao ¹ , B. Chen ¹ , F. Liu ¹ ; ¹ China Aerodynamics Research and Development Center, China AERODYNAMIC COEFFICIENT RESPONSE OF RECEIVER DURING AERIAL REFUELING PROCESS
ICAS2020-P3.1.5 - ICAS2020_1106: W. Jin ¹ , S.-E. Peng ¹ , J.-M. Wu ¹ , J. Lei ¹ , W.-T. Ji ¹ ; ¹ Xian Jiaotong University, China FLOW AND HEAT TRANSFER MECHANISM OF JET IMPINGEMENT COOLING ONTO MID-CHORD REGION OF TWISTED BLADE
ICAS2020-P3.1.6 - ICAS2020_1125: S.-Z. Zhao ¹ , X. Zhao ¹ , K. You ¹ , M.-H. Kang ¹ , Y.-F. Lin, China Helicopter Research and Development Institute, China; ¹ Northwestern Polytechnical University, China HELICOPTER ROTOR AERODYNAMIC PERFORMANCE PREDICTION BASED ON FLOW SIMULATION AROUND AIRFOILS
ICAS2020-P3.1.7 - ICAS2020_1167: Z.C. Zhu ¹ , B.F. Song ¹ , W.Q. Yang ¹ , X.Y. Lang ¹ ; ¹ Northwestern Polytechnical University, China NUMERICAL SIMULATION OF SWEEPING MOTION EFFECTS ON THE HOVERING DRAGONFLIES
ICAS2020-P3.1.8 - ICAS2020_1172: T. Tang ¹ , Y. Yang ¹ , S. Song ¹ , L. Lang ¹ ; ¹ Northwestern Polytechnical University, China AERODYNAMIC ANALYSIS OF DRAGONFLY WINGS SPACE DISTRIBUTION ON THREE-DIMENSIONAL DURING HOVERING FLIGHT
ICAS2020-P3.3.1 - ICAS2020_1189: J.J. Yang ¹ , Y.D. Zhang ¹ , P. Lv ¹ , T. Pagliaroli, Università Niccolò Cusano, Italy; ¹ China Academy of Aerospace Aerodynamics, China NUMERICAL SIMULATION OF LOCAL LONG SHALLOW CAVITY EFFECT ON THE STABILITY OF A HYPERSONIC BOUNDARY LAYER

Track 5

ICAS2020-P4.1.1 - ICAS2020_0118: S. Su ¹ , W. Zhang ¹ , L. Li ¹ ; ¹ Aircraft Strength Research Institute, China FRACTURE CRITERION ANALYSIS AND CRACK GROWTH PROPERTY OF MIXED-MODE CRACK EXPERIMENTS
ICAS2020-P4.1.2 - ICAS2020_0713: Yunlai SU ¹ , Zhaolin FAN ¹ , Wenhua WU ¹ , Shan LU, Northwestern Polytechnical University, China; Xianmin CHEN, Aircraft Strength Research Institute of AVIC, China; ¹ China Aerodynamics Research and Development Center, China DESIGN METHOD FOR THE FATIGUE-SIMULATING SPECIMEN OF TWIN-WEB TURBINE DISK
ICAS2020-P4.1.3 - ICAS2020_0833: Wei Dong ¹ , Cui Yue ¹ , Shi YouAn ¹ , Xiao Guangming ¹ , Du YanXia ¹ , Gui YeWei ¹ ; ¹ China Aerodynamics Research and Development Center, China A NEW METHOD FOR ESTIMATING THE THERMOPHYSICAL PARAMETERS OF THERMAL PROTECTION MATERIALS BY ULTRASONIC MEASUREMENTS
ICAS2020-P4.1.4 - ICAS2020_0904: Yongjun Wang ¹ , Yu Liao ¹ , Hongna Dui ¹ , Jiang Dong ¹ ; ¹ Chengdu Aircraft Design and Research Institute, China STUDY ON THE FATIGUE SCATTER FACTOR UNDER SEVERE LOAD SPECTRUM
ICAS2020-P4.1.6 - ICAS2020_1065: D. Jin ¹ , G.P. Qian ¹ , K. Feng ¹ ; ¹ Shanghai Aircraft Design and Research Institute, China STUDY ON THE METHOD OF DETERMINING SKIN WAVINESS REQUIREMENT OF CIVIL AIRCRAFT



ICAS2020-P4.1.7 - ICAS2020_1203: Lingfeng Wang¹, Lulu Liu², Chao Liu, Jiangsu Aero-XY Technology Co., Ltd, China; Xinlei Pan¹, Zhenhua Zhao², Liucheng Zhou¹; ¹Air Force Engineering University, China; ²Nanjing University of Aeronautics and Astronautics, China
RESEARCH ON FATIGUE STRENGTH PREDICTION MODEL OF AERO-ENGINE BLADES SUBJECTED TO FOREIGN OBJECT DAMAGE

ICAS2020-P5.10 - ICAS2020_1146: X. Yang¹, Z.-W. Wang¹, Y.-B. Niu¹, H.-Y. Miao¹; ¹college of aerospace science and engineering, national university, China
INFLUENCE OF SHOCK TRAIN ON HEAT FLUX DISTRIBUTION OF ACIRCULAR CONSTANT-AREA ISOLATOR

ICAS2020-P6.1.10 - ICAS2020_1104: Y. Kong¹, K. He¹, M.H. Lowenberg², S.A. Neild², F. Cen¹; ¹China Aerodynamics Research and Development Center, China; ²University of Bristol, United Kingdom
NONLINEAR UNSTEADY AERODYNAMIC MODELING AND LONGITUDINAL STABILITY ANALYSIS FOR AN AIRCRAFT MODEL

ICAS2020-P6.1.11 - ICAS2020_1266: Z.-Y. Wang¹, P. Chen¹, Y.-L. Wang¹, W.-D. Huang¹; ¹Aerospace Engineering University, China
ASCENT TRAJECTORY OPTIMIZATION OF HYPERSONIC VEHICLE USING SWARM INTELLIGENT METHOD

Track 6

ICAS2020-P4.2.1 - ICAS2020_0086: P. Li, Aircraft Strength Research Institute, China
TRANSFER PATH ANALYSIS OF RANDOM VIBRATION LOADS

ICAS2020-P4.2.2 - ICAS2020_0187: Cheng Chang¹, Jun Li¹; ¹China helicopter research and development institute, China
DESIGN AND VERIFICATION OF ENERGY-ABSORBING STRUCTURE OF CORRUGATED BEAM BASED ON SPECIFIC FAILURE MODE

ICAS2020-P4.2.3 - ICAS2020_0208: Pang Xiaoyu, China
DESIGN AND PERFORMANCE RESEARCH OF ARTIFICIAL ELECTROMAGNETIC STRUCTURE WITH TRANSMISSION AND ABSORPTION CHARACTERISTICS

ICAS2020-P4.2.4 - ICAS2020_0308: Z. Jia, China; L. Xuan, China; S. Tao, China; L. Chen, China
BROADBAND MICROWAVE ABSORBING HONEYCOMB CORE MATERIAL WITH ACTIVE CARBON AS DELEGATES

ICAS2020-P4.2.5 - ICAS2020_0360: D. Gueraiche¹, S. Popov¹, A. Guelailia, Center of Satellite Development, Space mechanical research devel, Algeria; ¹Moscow Aviation Institute, Russia
PASSIVE FLEXIBLE WINGTIP AREA FOR IMPROVING AIRLINERS CRUISE EFFICIENCY AND GUST ALLEVIATION

ICAS2020-P4.2.6 - ICAS2020_0391: W.-J. Nie¹, W.-Q. Deng¹, Y.-N. Chen¹, L. Zou¹; ¹AECC Hunan Aviation Powerplant Research Institute, China
TURBINE STRUCTURE ANALYSIS AND IMPROVEMENT OF A HIGH-SPEED ROTOR WITH MULTI-DISK AND MULTI-SUPPORT

ICAS2020-P4.2.7 - ICAS2020_0392: Y. Liu¹, D. Zhou¹, S. Feng¹, C. Yang¹, H. Xie¹; ¹Chengdu Aircraft Industry (Group) Corporation Ltd., China
PROCESS RESEARCH AND OPTIMIZATION OF PINHOLE HOLE AND NAIL HEAD DAMAGE ON COMPOSITE PARTS

ICAS2020-P4.2.8 - ICAS2020_0393: K. Yuan¹, M. Cheng¹; ¹Beijing Electro-Mechanical Engineering Institute, China
SUPERSONIC AEROELASTIC ANALYSIS OF AN ALL-MOVABLE WING WITH FREE PLAY

ICAS2020-P4.2.9 - ICAS2020_0599: F. Chen¹, P. Chen¹, Y.Q. Zhao¹; ¹Shanghai Aircraft Manufacturing Corporation Ltd, China
DEFORMATION ANALYSIS OF C-SPAR COMPOSITE STRUCTURE DURING THE PREFORMING PROCESSING

Track 7

ICAS2020-P4.2.10 - ICAS2020_0731: You Ding, China; Zhou Zhou, China; Hongjun Liu, China BIONIC LIGHT-WEIGHT GRID SURFACE WING STRUCTURE DESIGN FOR A SOLAR-POWERED UAV
ICAS2020-P4.2.11 - ICAS2020_0780: H.-C QIU ¹ , W.-C FAN ¹ , Y.-N FANG ¹ ; ¹ COMAC Shanghai Aircraft Manufacturing Co., Ltd., China IMPROVED STOCHASTIC PERTURBATION ALGORITHM FOR GENERALIZED REPEATED EIGENVALUES PROBLEM BASED ON SURROGATE MODEL
ICAS2020-P4.2.12 - ICAS2020_0880: Hao Cui ¹ , Shiquan Bi ¹ , Liyang Liu ¹ ; ¹ Shenyang Aircraft Design and Research Institute of AVIC, China THE FINITE ELEMENT MODELLING OF BOLTED STRUCTURE BETWEEN SELECTIVE LASER MELTING ALUMINIUM AND COMPOSITE PLATES
ICAS2020-P4.2.13 - ICAS2020_0924: L. Magerramova, Central Institute of Aviation Motors, Russia; E. Kratt, Laboratory of New Technology, Russia DEVELOPMENT OF ADVANCED DESIGNS OF GAS TURBINE ENGINES FROM POWDER COMPOSITIONS
ICAS2020-P9.1 - ICAS2020_0207: V. Papantoni ¹ , J. Scherer ¹ , P. Wassink ¹ , G. Atanasov ¹ ; ¹ German Aerospace Center (DLR), Germany ASSESSMENT OF THREE COMMUTER AIRCRAFT CONCEPTS FROM A TRANSPORT SYSTEM PERSPECTIVE
ICAS2020-P10.1 - ICAS2020_1061: K. Tong ¹ , Y. Song ¹ , X.-F. Kong ¹ , K.-W. Zhang ¹ , Z.-J. Chen ¹ ; ¹ Civil Aviation University of China, China AN INTEGRATED METHOD FOR ACCURATE IDENTIFICATION AND DYNAMIC MONITORING OF BUILDINGS IN AERODROME OBSTACLE FREE SPACE
ICAS2020-P11.1 - ICAS2020_0052: R.P. Liu, China; Q. Wang, China; G.Y. He, China; M.T. Tang, China; J.X. Ren, China THE DATABASE DESIGN OF UNMANNED AERIAL VEHICLE
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Track 8

ICAS2020-P5.1 - ICAS2020_0160: X. Yang ¹ , Q. Yang ¹ , W. Dong ¹ ; ¹ Shanghai Jiao Tong University, China A SIMPLIFIED MODEL FOR THE SIMULATION OF SYNERGISTIC AIR-BREATHING ROCKET ENGINE
ICAS2020-P5.2 - ICAS2020_0257: Yongfan Li ¹ , Zhenzhe Na ¹ , Yun Chen ¹ , Yangbing Wang ¹ ; ¹ AECC, China EFFECT OF COMPLEX FLOW PROFILES AT COMBUSTOR EXIT ON TURBINE CHARACTERISTICS
ICAS2020-P5.3 - ICAS2020_0290: Hongxin Li, Aero Engine Corporation of China, China; Caiyun Liang ¹ , Xu Li ¹ ; ¹ AECC Shenyang Engine Research Institute, China MODELING AND SIMULATION APPLICATION THROUGHOUT THE AEROENGINE LIFE CYCLE
ICAS2020-P5.4 - ICAS2020_0504: M. Zhang, AECC Commercial Aircraft Engine, China NUMERICAL INVESTIGATION OF NACELLE INTAKE FLOW DISTORTION AT CROSSWIND CONDITIONS
ICAS2020-P5.5 - ICAS2020_0544: C. Hu ¹ , J. Gu ¹ , F. Gao ¹ ; ¹ AVIC The First Aircraft Institute, China THE RESEARCH ON PROPELLER NOISE PREDICTION METHOD FOR TURBOPROP AIRCRAFT
ICAS2020-P5.6 - ICAS2020_0722: J Jiao ¹ , X.-P. Ma ¹ , B.-F. Song, Northwestern Polytechnical University, China; J.-B. Yang, China Electronics Technology Group Corporation 38th Research Ins, China; ¹ Chinese Academy of Sciences, China AERODYNAMIC AND STRUCTURAL DESIGN OF THE COMPOSITE PROPELLER FOR NEAR SPACE VEHICLES
ICAS2020-P5.7 - ICAS2020_1099: S. C. Xu ¹ , Y. Wang ¹ , Z. G. Wang ¹ , X. Q. Fan ¹ , B. Xiong ¹ ; ¹ National University of Defense Technology, China



A DESIGN METHOD OF AN AXISYMMETRIC HYPERSONIC INLET INTERGRATED WITH A LONG FOREBODY

ICAS2020-P5.8 - ICAS2020_1100: Y.-H. WANG¹, G.-P. QIAN¹; ¹Shanghai Aircraft Design and Research Institute, China

NUMERICAL STUDY OF HIGH TEMPERATURE TRANSVERSE PULSE JET IN THE SUPERSONIC COMBUSTION CHAMBER

ICAS2020-P5.9 - ICAS2020_1122: Chang-Hai Liang¹, Ming-Bo Sun¹, Yi-Xin Yang¹, Yuan Liu, China Aerodynamics Research and Development Center, China; Tai-Yu Wang¹, Guang-Wei Ma¹, Fan Li¹, Chao Wang¹; ¹National University of Defense Technology, China

EXPERIMENTAL STUDY ON THE CHARACTERISTICS OF SONIC GAS INJECTION INTO SUPERSONIC CROSSFLOW WITH MA2.0 AND MA3.0

Track 9

ICAS2020-P6.1.1 - ICAS2020_0073: Rogalski Tomasz¹, Rzucidlo Pawel¹, Prusik Jacek, Doctoral School of Engineering and Technical Sciences at Rzeszo, Poland; ¹Rzeszow University of Technology, , Poland
AIRCRAFT FLIGHT CONTROL SYSTEM FOR AEROBATIC FLIGHT

ICAS2020-P6.1.2 - ICAS2020_0197: C. Qi, China Aeronautical Radio Electronics Research Institute, China
L1 ADAPTIVE CONTROL AUGMENTATION FOR A FLEXIBLE AIR-BREATHING HYPERSONIC VEHICLE MODEL

ICAS2020-P6.1.3 - ICAS2020_0418: D.-N. Liu, China; W.-K. Wang, China; B.-D. Zhao, China; X.-Z. Hu, China; B.-W. Nie, China
PRELIMINARY VIRTUAL FLIGHT VALIDATION OF A QUAD TILT ROTOR UAV IN WIND TUNNEL

ICAS2020-P6.1.4 - ICAS2020_0448: S.V. Serokhvostov, MIPT, Russia; T.E. Churkina, MAI, Russia
OPTIMAL TRAJECTORY DEPENDENCE ON THE ATMOSPHERE MODEL FOR THE SUN-POWERED AIRPLANE

ICAS2020-P6.1.5 - ICAS2020_0525: B.-G. Mi¹, X. Liu, Shanghai Aircraft Airworthiness Certification Center, China; H. Zhan¹; ¹Northwestern Polytechnical University, China
MODELING AND DYNAMICS STABILITY ANALYSIS FOR A BLENDED-WING-BODY AIRCRAFT

ICAS2020-P6.1.6 - ICAS2020_0865: Hanyue Shi¹, Hui Xie², Xin Hu¹, Yiming Liu¹, Zhiyong Cai², Hongjun Zhao², Yaoming Zhou¹; ¹Beihang University, China; ²AVIC General Huanan Aircraft Industry Co., Ltd., China
RESEARCH AND DESIGN OF AMPHIBIOUS AIRCRAFT FIRE-EXTINGUISHING SIMULATION MANAGEMENT SYSTEM BASED ON DIS

ICAS2020-P6.1.7 - ICAS2020_0948: L.-F CHANG¹, G.-L XUE¹, Z.-W LIU¹; ¹China Aeronautical Radio Electronics Research Institute, China
A METHOD OF MANEUVER IDENTIFICATION AND TRAJECTORY PREDICTION FOR AGILE TARGET

ICAS2020-P6.1.8 - ICAS2020_0978: Liming Zheng¹, Zhiliang Bai¹, Zhou Zhou¹, Rui Wang¹; ¹Northwestern Polytechnical University, China
APPLICATION OF VECTOR JET CONTROL TECHNOLOGY ON AIRCRAFT LONGITUDINAL CONTROL

ICAS2020-P6.1.9 - ICAS2020_1001: Olga Kreerenko, Moscow Aviation Institute, Beriev Aircraft Company, Russia
SYNERGETIC CONTROLS OF THE SYSTEM "CARRIER AIRCRAFT - UPPER-STAGE ROCKET

Track 10

ICAS2020-P6.2.1 - ICAS2020_0282: G.F. Yu, School of Software, Northwestern Polytechnical University, China; L. Zhang¹, C.H. Zou¹, Y.C. Liu, Beijing Aerospace Automatic Control Institute, China; Y. Cheng¹; ¹AVIC Xi'an Aeronautics Computing Technique Research Institute, China
A ROBUST AND REAL-TIME VISUAL-INERTIAL POSE ESTIMATION FOR FIX-WING AIRCRAFT LANDING

ICAS2020-P6.2.2 - ICAS2020_0619: R. Wang¹, J.-N. Du¹, Z. Xiong¹, J.-Y. Liu¹, Y. Rui¹, T.-Y. Nie¹; ¹Nanjing University of Aeronautics and Astronautics, China
EXPERIMENTAL RESEARCH OF COOPERATIVE NAVIGATION METHOD FOR CLUSTER AIRCRAFTS BASED ON MUTUAL DISTANCE DIFFERENCE MODEL



ICAS2020-P6.2.3 - ICAS2020_0651: Mohammad H Sadraey, Southern New Hampshire University, United States ROCKET HYBRID LAUNCH SYSTEM
ICAS2020-P6.2.4 - ICAS2020_0769: Atsushi Satoh, Iwate University, Japan; Masanao Watanabe, O.T.Techno Research Co., Ltd., Japan; Koichi Hozumi ¹ , Akira Watanabe ¹ ; ¹ Japan Aerospace Technology Foundation (JAST), Japan ENDURANCE ANALYSIS OF BATTERY-POWERED MULTICOPTERS: DERIVATION OF PROPER CUT-OFF VOLTAGE USING DC MOTOR MODEL
ICAS2020-P6.2.5 - ICAS2020_1006: T.L. Costa ¹ , J.C. Vendrichoski ¹ , E.S. El'Youssef ¹ , E.R De Pieri ¹ ; ¹ Federal University of Santa Catarina, Brazil ROBUST CONTROL OF UNMANNED AERIAL VEHICLE WITH TILT ROTORS AND CAMERA
ICAS2020-P6.2.6 - ICAS2020_1088: Wangyi ZHOU ¹ , Shaomin HE ¹ , Mingming TIAN ¹ ; ¹ AVIC Xi'an Flight Automatic Control Research Institute, China ADRC BASED HIGH MANEUVERING FLIGHT CONTROL LAW DESIGN FOR UAV
ICAS2020-P6.2.7 - ICAS2020_1228: D. Ning ¹ , Y. Wang ¹ , S. Jia ¹ ; ¹ China Academy of Aerospace Aerodynamics, Beijing, China, China A POLE CONFIGURATION CONTROLLER FOR FIXED HEIGHT CONTROL OF TILT ROTOR AIRCRAFT
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Track 11

ICAS2020-P7.1 - ICAS2020_0273: W.-J Mo ¹ , X.-X Huang ¹ , J.-A Cao, School of Electrical Engineering, Xi'an Jiaotong University, China; Q Yin ¹ , X.-H Wu ¹ ; ¹ Chengdu Aircraft Industrial (Group) Co. Ltd, China RESEARCH ON AIRBORNE RF SYSTEM TESTING TECHNOLOGY USING TDR TECHNIQUE
ICAS2020-P7.2 - ICAS2020_0292: C.-L. Han ¹ , F. Chen ¹ , X.-M. Sun ¹ , W.-H. Li ¹ ; ¹ China National Aeronautical Radio Electronics Research Institute, China FLIGHT MANAGEMENT SYSTEM REQUIREMENT ANALYSIS FOR TRAJECTORY BASED OPERATION
ICAS2020-P7.3 - ICAS2020_0344: Z. Liu ¹ , P. Chen ¹ , X. Wei ¹ ; ¹ Xi'an Flight Automatic Control Research Institute, China MEMS-BASED DISTRIBUTED NAVIGATION SYSTEM
ICAS2020-P7.4 - ICAS2020_0808: Cong Chen ¹ , Jieshi Shen ¹ ; ¹ China Aeronautical Radio Electronics Research Institute, China PRECISION ANALYSIS AND INDEX DISTRIBUTION SYSTEM DESIGN OF AVIONICS SYSTEM BASED ON BP NEURAL NETWORK
ICAS2020-P7.5 - ICAS2020_0822: Li Ketao ¹ , Ma Hangshuai ¹ , Wang Dan ¹ ; ¹ China National Aeronautical Radio Electronics Research Institute, China DESIGN OF UAV NAVIGATION ALGORITHM IN SINGLE SATELLITE ENVIRONMENT BASED ON HIGH PRECISION TIMING
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