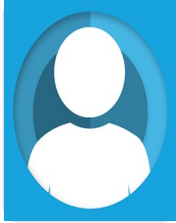




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Citations (Scopus):

**156**

**Supervised PhD Theses**

#	Thesis title	By	Date
1	High Order Nonlinear Aerodynamic Model Using FDR	Seyyed Javad Mohammadi Baygi & Mehdi Sabzeh Parvar	October 2010
2	: Development of Motion Cueing Algorithm with Considering the Effect of Visually Induced Self Motion	Ali Mahmoodi & Mehdi Sabzeh Parvar	February 2010
3	Neural Network-Based Adaptive Control of Aircraft at High Angle of Attack	Hossein Safati & Mehdi Sabzeh Parvar	April 2008

**Supervised MSc Theses**

#	Thesis title	By	Date
1	Calibration and measurement of the acceleration effect on deformation of objects in the G-LAB	Sevda Naamanikureh & Mehdi Sabzeh Parvar	October 2021
2	3D flight simulator vision simulation	Ali Reza Sargazi Moghaddam & Mehdi Sabzeh Parvar	September 2021
3	Analysis of airplane dynamic motion modes in icing condition	Mohammad Alipourzibaei & Mehdi Sabzeh Parvar	September 2021
4	navigation Intelligence moving object on the ground	Mostafa Abbasi Azandaryani & Mehdi Sabzeh Parvar	February 2021

5	modeling the aircraft characteristic equation from flight quality information	Arash Azmoodeh & Mehdi Sabzeh Parvar	July 2020
6	Adaptive auto-pilot design for Cessna flight simulation	Ghoncheh Zand & Mehdi Sabzeh Parvar	July 2020
7	Comparison of nonlinear Kalman filter and Hammerstein methods in system identification	Tohid Faridi & Mehdi Sabzeh Parvar	February 2020
8	Optimize and tuning of projectile positioning on the ground	Ali Sadoughi & Mehdi Sabzeh Parvar	April 2019
9	control optimization of Tilting rotor Quadrotor during one engine inoperative	Asghar Esmaili Shiravand & Mehdi Sabzeh Parvar	February 2019
10	aerial planting rate optimization	Amir Rashtchipour & Mehdi Sabzeh Parvar	October 2018
11	guidance and cooperative control of multiple surface vehicle	Mohammad Aflaki Astaneh & Mehdi Sabzeh Parvar	February 2018
12	Obstacle Avoidance, Using Radar Systems Simulation Model	Sadjad Lachini & Mehdi Sabzeh Parvar	February 2018
13	low altitude microburst model effects on three dimensional aircraft	Ali Poormoradi & Mehdi Sabzeh Parvar	October 2016
14	Modeling of Control Loading System With Actuator Feedback	Mohammad Asgari & Mehdi Sabzeh Parvar	May 2016
15	satellite map navigation using single camera and image processing on UAV	Mohammad Sadeghi & Mehdi Sabzeh Parvar	November 2015
16	flying wing dynamic modeling and trajectory control	Hojat Aghababaie & Mehdi Sabzeh Parvar	November 2015
17	GPWS Error Reduction	Mina Majdabadi Farahani & Mehdi Sabzeh Parvar	September 2015
18	modeling a force of control surfaces, using flight data and connecting it to autopilot	Hamid Reza Akbari Zamani & Mehdi Sabzeh Parvar	September 2015
19	tracking optimization & navigation by satellite image generation	Mostafa Mirzakhaniai & Mehdi Sabzeh Parvar	September 2015
20	Ice Encountered Aircraft Parameter Estimation	Ali Hosseini & Mehdi Sabzeh Parvar	October 2014
21	command guidance and control of war game	Saeed Ghorbanizadeh & Mehdi Sabzeh Parvar	May 2013
22	Optimal Multiplayer Guidance of Fighter in Aerial Combat using Game Theory	Saeed Hosseini & Mehdi Sabzeh Parvar	February 2013
23	Ducted quad-rotor UAV modeling	Nima Manafi & Mehdi Sabzeh Parvar	November 2012
24	Intelligent Guidance & Control of a Damaged Tail Aircraft on Landing Phase	Babak Aryanpur & Mehdi Sabzeh Parvar	September 2012
25	RPH Flight Parameter Identification using Wavelets	Elias Nezamoleslami & Mehdi Sabzeh Parvar	February 2012
26	Intelligent Flight Control System	Mehran Hassannezhad Chaboki & Mehdi Sabzeh Parvar	October 2011

27	Double Main Rotor Helicopter Motion simulation	Ehsan Alem & Mehdi Sabzeh Parvar	October 2011
28	Nonlinear Dynamics Modeling of Cessna172 Simulator	Hossin Noori Aboozari & Mehdi Sabzeh Parvar	June 2011
29	Microburst modeling using chaos	Hoda Eghballi & Mehdi Sabzeh Parvar	February 2011
30	Kalman Filter stability derivatives estimation conducting twin engine flight data	Roja Mohammadtabar & Mehdi Sabzeh Parvar	October 2010
31	Guidance and control of an air vehicle using flight test data	Mohammad Hossein Massoumnia & Mehdi Sabzeh Parvar	June 2010
32	controller design for 3dof motion platform with feedback linearization method	Masoumeh Aminzadeh & Mehdi Sabzeh Parvar	December 2009
33	Design of virtual reality laboratory (VRlab	Mohammadreza Anoshehpour & Mehdi Sabzeh Parvar	January 2009
34	Design of six-degree-of freedom (6-DOF) simulatorfor Cessna 172	Ebrahim Heydarnia & Mehdi Sabzeh Parvar	January 2009
35	check out the control methods for the macroburst software in landing	Hassan Haghhigh & Mehdi Sabzeh Parvar	January 2008
36	NAVIGATION ERROR ANALYSIS BASE ON SUBMARIN 6 DOF MODELING	Mehdi Nili Ahmadabadi & Mehdi Sabzeh Parvar	October 2007
37	REAL TIME FREQUENCY DOMAIN PARAMETER ESTIMATION	Samira Roshany Yamchi & Mehdi Sabzeh Parvar	July 2007
38	DYNAMIC MODELING OF HELICOPTER MAIN ROTOR AND IT VALIDATION	Hamidreza Amin Moghadam & Mehdi Sabzeh Parvar	June 2007
39	Analysis of Wind Shear effect on vehicle Dynamics & Controllability	Hosein Asari & Mehdi Sabzeh Parvar	February 2007
40	Design & construction of flight simulator control loading	Amir Hossein Vafaei & Mehdi Sabzeh Parvar	June 2006
41	Helicopter Rotor thrust simulation	Seyed Hesam Bathaee & Mehdi Sabzeh Parvar	February 2005
42	DesignofflightSimilatorformationcontrolsystem	Seyed Amirebrahim Erami & Mehdi Sabzeh Parvar	July 2004

## Books

#	Title	Author(s)	Publisher country	publication date	version
<b>Portal Records</b>					
1	Advances in flight control systems -Chapter 13 comparison of flight control system design methods in landing 261	Hossein Safati, Mehdi Sabzeh Parvar, Mohammad Bagher Menhaj	Croatia (Hrvatska)	March 2011	1

## Journal Papers

## Portal Records

- 1 Maryam Mobini Bidgoli, Mehdi Sabzeh Parvar, "Modeling of the pilots depth perception Algorithm t Avoid Collisions with Obstacles for Commercial Aircraft Landing", , August 2021 Vol. 5, Num. 5, Page 1-11, August 2021,
- 2 Arshiya Mahmoodi, Mehdi Sabzeh Parvar, Mahdi Mortazavi, "A virtual environment for evaluation of computer vision algorithms under general airborne camera imperfections", JOURNAL OF NAVIGATION, March 2021 Vol. 1, Num. 1, Page 1-21, March 2021,
- 3 Ali Poormoradi, Mehdi Sabzeh Parvar, Ali Ashrafi, "Control of Quad-rotor by Using State Dependent Riccati Equation (SDRE) Method and Analyzing Its Dynamic Response by Applying wind Field", , July 2020 Vol. 1, Num. 53, Page 1-12, July 2020,
- 4 Mir Abolfazl Mokhtari, Mehdi Sabzeh Parvar, Kazem Imani, "Nonlinear Flight Mode Identification by Applying Modified Ensemble Empirical Mode Decomposition and Hilbert–Huang Transformation", International Journal of Aeronautical and Space Sciences, March 2020 Vol. 0, Num. 0, Page 1-13, March 2020,
- 5 Mir Abolfazl Mokhtari, Mehdi Sabzeh Parvar, "Airplane Nonlinear Aerodynamic Model Identification in Spin Maneuver by Using Extended Multi Input Approach", , July 2019 Vol. 51, Num. 1, Page 201-214, July 2019,
- 6 Mir Abolfazl Mokhtari, Mehdi Sabzeh Parvar, "Application of Hilbert-Huang Transform With Improved Ensemble Empirical Mode Decomposition in Nonlinear Flight Dynamic Mode Characteristics Estimation", JOURNAL OF COMPUTATIONAL AND NONLINEAR DYNAMICS, January 2019 Vol. 14, Num. 6, Page 1-10, January 2019,
- 7 Mohsen Bidoki, Mahdi Mortazavi, Mehdi Sabzeh Parvar, "A new multidisciplinary robust design optimization framework for an autonomous underwater vehicle in system and tactic design", PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART M:Journal of Engineering for the Maritime Environment, November 2018 Vol. 17, Num. 2, Page 1-19, November 2018,
- 8 Mir Abolfazl Mokhtari, Mehdi Sabzeh Parvar, ": Spin flight mode identification with OEEMD algorithm", AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY, November 2018 Vol. 0, Num. 0, Page 1-20, November 2018,
- 9 Mohsen Bidoki, Mahdi Mortazavi, Mehdi Sabzeh Parvar, "A new robust multidisciplinary design optimization framework for conceptual design of an autonomous underwater vehicle", , May 2018 Vol. 18, Num. 3, Page 311-322, May 2018,
- 10 Ali Poormoradi, Mehdi Sabzeh Parvar, "Dynamic Response of the aircraft to wind shear using multi body loading approach", , April 2018 Vol. 18, Num. 2, Page 243-252, April 2018,
- 11 Mir Abolfazl Mokhtari, Mehdi Sabzeh Parvar, "Identification of spin maneuver aerodynamic nonlinear model by applying ensemble empirical mode decomposition and extended multi point modeling", PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART G-JOURNAL OF AEROSPACE ENGINEERING, March 2018 Vol. 9, Num. 0, Page 1-13, March 2018,
- 12 Mohsen Bidoki, Mahdi Mortazavi, Mehdi Sabzeh Parvar, "A new approach in system and tactic design optimization of an autonomous underwater vehicle by using Multidisciplinary Design Optimization", OCEAN ENGINEERING, January 2018 Vol. 147, Num. 0, Page 517-530, January 2018,
- 13 Hosein Goodarzi, Mehdi Sabzeh Parvar, "Identifying flight modes of Aerial Planting projectile using Hilbert-Huang transformation", MECHANICAL SYSTEMS AND SIGNAL PROCESSING, May 2017 Vol. 0, Num. 0, Page 211-223, May 2017,
- 14 Mir Abolfazl Mokhtari, Mehdi Sabzeh Parvar, "Nonlinear Estimation of Flight Mode Characteristics in Spin Maneuver by Using Empirical Mode Decomposition Algorithm and Hilbert Transform", , April 2017 Vol. 17, Num. 1, Page 322-332, April 2017,
- 15 Hosein Goodarzi, Mehdi Sabzeh Parvar, "Identifying pitching mode of aerial planting projectile by the use of image processing", PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART G-JOURNAL OF AEROSPACE ENGINEERING, September 2016 Vol. 2, Num. 12, Page 1-18, September 2016,
- 16 Mir Abolfazl Mokhtari, Mehdi Sabzeh Parvar, "Identification in Spin Maneuver Nonlinear Aircraft Aerodynamic", , July 2016 Vol. 13, Num. 2, Page 1-15, July 2016,
- 17 Davod Asadi, Mehdi Sabzeh Parvar, Ali Negahban Bron, "Multi-Objective Emergency Landing Trajectory Design Based on Motion Primitives", , January 2016 Vol. 17, Num. 2, Page 12-29, January 2016,

- 18 Seyed Amin Bagherzadeh Shahri, Mehdi Sabzeh Parvar, "Estimation of flight modes with Hilbert-Huang transform", AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY, August 2015 Vol. 87, Num. 5, Page 402-417, August 2015,
- 19 Seyed Amin Bagherzadeh Shahri, Mehdi Sabzeh Parvar, "Estimation of Flight Modes Using Hilbert- Huang Transformation", Aerospace Knowledge and Technology Journal, March 2015 Vol. 3, Num. 2, Page 35-53, March 2015,
- 20 Seyed Amin Bagherzadeh Shahri, Mehdi Sabzeh Parvar, Mehdi Karrari, "Nonlinear aerodynamic model identification using empirical mode decomposition", PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART G- JOURNAL OF AEROSPACE ENGINEERING, March 2015 Vol. 1, Num. 2, Page 1-20, March 2015,
- 21 Davood Asadi Hendoustani, Mehdi Sabzeh Parvar, Ella M. Etkin, Heidar Ali Talebi, "Damaged Airplane Trajectory Planning Based on Flight Envelope and Stability of Motion Primitives", JOURNAL OF AIRCRAFT, November 2014 Vol. 51, Num. 6, Page 1740-1757, November 2014,
- 22 Seyed Amin Bagherzadeh Shahri, Mehdi Sabzeh Parvar, "A Local and online sifting process for the empirical mode decomposition and its application in aircraft damage detection", MECHANICAL SYSTEMS AND SIGNAL PROCESSING, October 2014 Vol. 2, Num. 6, Page 251-270, October 2014,
- 23 Davood Asadi Hendoustani, Mehdi Sabzeh Parvar, Heidar Ali Talebi, "Analysis of the impact of Wing Damage on the Performance and Dynamics of an Aircraft", , October 2013 Vol. 4, Num. 1, Page 1-17, October 2013,
- 24 Masoumeh Aminzadeh, Ali Mahmoodi, Mehdi Sabzeh Parvar, "Optimal motion - Cueing Algorithm Using Motion System Kinematics", EUROPEAN JOURNAL OF CONTROL, October 2013 Vol. 4, Num. 18, Page 363-375, October 2013,
- 25 Davood Asadi Hendoustani, Mehdi Sabzeh Parvar, Heidar Ali Talebi, "Damaged Airplane Flight Envelope and Stability Evaluation", AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY, March 2013 Vol. 85, Num. 3, Page 186-198, March 2013,
- 26 Mir Abolfazl Mokhtari, A.A. Nikkhah, Mehdi Sabzeh Parvar, A. Novinzadeh, "Intelligent Auto pilot Design for a Nonlinear Model of and Autonomous Helicopter by Adaptive Emotional Approach", Journal of Aerospace Science and Technology, August 2012 Vol. 9, Num. 2, Page 33-43, August 2012,
- 27 Sayed Javad Mohamadi Baygi, Mehdi Sabzeh Parvar, Mehdi Karrari, "A High Order Model of an Aircraft Aerodynamic Functions,Using Wavelet Transform", Aerospace Mechanics Journal, December 2011 Vol. 7, Num. 3, Page 1-16, December 2011,
- 28 Mohammadi Beigi, Mehdi Sabzeh Parvar, Mehdi Karrari, "Aircraft stability and control model using wavelet transforms", PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART G-JOURNAL OF AEROSPACE ENGINEERING, October 2010 Vol. 224, Num. 10, Page 1107-1118, October 2010,
- 29 Masoumeh Aminzadeh, Ali Mahmoodi, Mehdi Sabzeh Parvar, "dynamic Analysis of a 3DOF Motion Platform", International Journal of Robotics, September 2009 Vol. 1, Num. 1, Page 12-18, September 2009,
- 30 Ali Mahmoodi, Mohammad Bagher Menhaj, Mehdi Sabzeh Parvar, "An efficient method for solution of inverse dynamics of Stewart platform", , May 2009 Vol. , Num. 81, Page 0-0, May 2009,
- 31 Mohsen Fathi Jegarkandi, A.S. Nobari, Mehdi Sabzeh Parvar, M.M. Moghaddam, H. Haddadpour, "Aeroservoelastic Behavior of Supersonic Guided Flight Vehicle", Iranian Journal of Science & Technology, April 2009 Vol. 33, Num. 0, Page 425-439, April 2009,
- 32 Kamran Raissi Charmcani, Mahmoud Mani, Mehdi Sabzeh Parvar, [en-name N/A], "A single heavy load airdrop and its effect on a reversible flight control system", , July 2008 Vol. , Num. 4, Page 0-0, July 2008,
- 33 Hossein Safati, Mehdi Sabzeh Parvar, Mohammad Bagher Menhaj, "Comparison of Flight Control System Design Methods in Landing", , December 2007 Vol. , Num. 4, Page 0-0, December 2007,
- 34 Hossein Safati, Mehdi Sabzeh Parvar, Mohammad Bagher Menhaj, Mohsen Bahrami, "Backstepping Controller Design Using Neural Networks for a Fighter Aircraft", , October 2007 Vol. , Num. 5, Page 0-0, October 2007,
- 35 Mehdi Sabzeh Parvar, "In-Flight Thrust Measurements of Propeller-Driven Airplanes", JOURNAL OF AIRCRAFT, December 2005 Vol. 42, Num. 6, Page 1543-1547, December 2005,







## Conference Papers

### Portal Records

- 1 Sevda Naamanikureh, Mehdi Sabzeh Parvar, "Introduction to the Shock Response Spectrum ", The 19th International Conference of Iranian Aerospace Society, May 2021
- 2 Mohammad Barati, Mehdi Sabzeh Parvar, Mohammad Navabi, "Simulation and mass balance analysis in spacecraft dynamic attitude simulator ", The 19th International Conference of Iranian Aerospace Society, May 2021
- 3 Mostafa Abbasi Azandaryani, Mehdi Sabzeh Parvar, "Detection of foreign object debris (active and inactive) on the runway using machine vision techniques ", The 19th International Conference of Iranian Aerospace Society, May 2021
- 4 Mohammad Sadegh Chakeri, Ali Ashrafi, Mehdi Sabzeh Parvar, "Improve data received from GPS with low update rate using Kalman filter ", 28th Annual International Conference of Iranian Society of Mechanical Engineering, May 2020
- 5 Tohid Faridi, Mehdi Sabzeh Parvar, "System Identification Comparison of EKF, Hamerstain and Hamerstain-VinerTime Domain ", The 18th International Conference of Iranian Aerospace Society, February 2020
- 6 Ali Poormoradi, Mehdi Sabzeh Parvar, "Analysis And Comparison of Quadrotor Attitude Using State dependent Ricciuti Control Algorithm ", The 18th International Conference of Iranian Aerospace Society, February 2020
- 7 Mehdi Sabzeh Parvar, Mir Abolfazl Mokhtari, "Analysis of Airport city ", Third International Congress of Earth Sciences and Urban Development And the first conference on art ,architecture and urban management, May 2017
- 8 Mehdi Sabzeh Parvar, Mir Abolfazl Mokhtari, Reza Mnansourian, "Nonlinear Optimization of Wind Turbine setting in Wind Farms using Vortex Reduction Model ", The Second Congress of Earth,Space and Clean energy, March 2017
- 9 Mehdi Sabzeh Parvar, Reza Mansourian, Mir Abolfazl Mokhtari, "Optimization of wind turbine using blade-less wind turbine ", The Second Congress of Earth,Space and Clean energy, March 2017
- 10 Hosein Goodarzi, Mehdi Sabzeh Parvar, "Parameter Estimation of projectile in Pitching Mode using image Processing and Sensitivity analysis on coefficients ", The Second International Conference on the Finding of Modern Science and Technology with a Focus on Science in the Service of Development, June 2016
- 11 Mir Abolfazl Mokhtari, Mehdi Sabzeh Parvar, "Nonlinear estimation of flight mode in spine flight by using EMD and Hilbert transform ", 1st International Conference on New Research Achievements in Mechanics, Mechatronics and Biomechanics, May 2016
- 12 Mir Abolfazl Mokhtari, Mehdi Sabzeh Parvar, "Nonlinear Aerodynamic mathematical model developing by using multi input approach ", 1st International conference on mechanical and aerospace engineering, April 2016
- 13 Mir Abolfazl Mokhtari, Mehdi Sabzeh Parvar, "Extraction of nonlinear aircraft aerodynamic mathematical model for complex nonlinear flight regime ", Fifteenth International Conference of Iranian Aerospace Society, February 2016
- 14 Mir Abolfazl Mokhtari, Mehdi Sabzeh Parvar, "Proposed solution to reduction of sound pollution in aircraft flight ", The 1st International Congress on Earth, Space & Clean Energy, November 2015
- 15 Seyed Amin Bagherzadeh Shahri, Mehdi Sabzeh Parvar, "Swifting Method of variable domain to be used in EMD ", Modern Achievement on Aerospace and Related Science, April 2015
- 16 Davood Asadi Hendoustani, Alireza Mehrdoost, Mehdi Sabzeh Parvar, "Landing Trajectory Planning of an Airplane in Emergency Condition ", Fourteen International Conference of Iranian Aerospace Society, March 2015
- 17 Seyed Amin Bagherzadeh Shahri, Mehdi Sabzeh Parvar, "Nonlinear aerodynamic model identification using empirical mode ", Fourteen International Conference of Iranian Aerospace Society, March 2015
- 18 Hosein Goodarzi, Mehdi Sabzeh Parvar, "External Ballistic Simulation and Estimation of Penetration Depth of Aerial Planting Projectile ", Fourteen International Conference of Iranian Aerospace Society, March 2015
- 19 Nima Manafi, Mehdi Sabzeh Parvar, Ebrahim Roghanizad, "6DOF Modeling and Simulation of a Quadrotor with Controllable Ducts ", The 13 th Iranian Aerospace Society Conference, March 2014

- 20 Seyed Amin Bagherzadeh Shahri, Mehdi Sabzeh Parvar, "Estimation of Flight Modes with Hilbert-Huang Transform ", 13th CONFERENCE OF IRANIAN AEROSPACE SOCIETY, March 2014
- 21 Masoumeh Aminzadeh, Mehdi Sabzeh Parvar, "Model-Based Motion Tracking Control of an Electric 3DoF Parallel Motion Platform ", Aerospace Conference, 2010 IEEE, March 2014
- 22 Davood Asadi Hendoustani, Heidar Ali Talebi, Mehdi Sabzeh Parvar, "Analysis of the damaged wing effect on the behavioral modes of an airplane ", The 12th Conference of Iranian Aerospace Society, February 2013
- 23 Amirhossain Vafaei, Mehdi Sabzeh Parvar, Seyyed Javad Mohammadi Baygi, "Circuit Design and construction of Hydraulic and Electronic Stick Force Actuator ", ISME2012, May 2012
- 24 Amir Hossein Vafaei, Mehdi Sabzeh Parvar, Mohamadi S.J, "Modeling and simulation of stick force for use in the control load system ", The 11th Conference of Iranian Aerospace Society, February 2012
- 25 Davood Asadi Hendoustani, Mehdi Sabzeh Parvar, Heidar Ali Talebi, "Controller design for an airplane with the damaged wing ", The 11th Conference of Iranian Aerospace Society, February 2012
- 26 Davood Asadi Hendoustani, Mehdi Sabzeh Parvar, Heidar Ali Talebi, "Analysis of the damaged wing effect on the dynamics of an airplane ", The 11th Conference of Iranian Aerospace Society, February 2012
- 27 Hooyar Gaffari, Mehdi Sabzeh Parvar, "Recent and Future Analysis of Flight Training Devices ", first Flight simulation Conference, December 2009
- 28 Ali Mahmoodi, Masoumeh Aminzadeh, Mohammad Bagher Menhaj, Mehdi Sabzeh Parvar, "A Generalized Method for Determining Load Workspace of Spatial Parallel Mechanisms ", 2010 8th IEEE International Conference on Control and Automation, June 2009
- 29 Mehdi Nili Ahmatabadi, Hassan Haghhigh, Mehdi Sabzeh Parvar, "Calculating INS position error base on analytical model and comparison with numerical result of INS simulation in AUV ", mathematical problem in engineering, aerospace and science, October 2008
- 30 Ali Mahmoodi, A.S. Nobari, Mehdi Sabzeh Parvar, "Inverse Dynamics of an Electric Motion Based Stewart platform for Flight simulator ", 17th Annual (International) Conference on Mechanical Engineering- ISME 2009, April 2008
- 31 Samira Roshany Yamchi, Hassan Haghhigh, Mehdi Sabzeh Parvar, "COMPARISON OF PARAMETER ESTIMATION IN FREQUENCY AND TIME DOMAIN BY MOTIONS SIGNAL PROCESSING ", 2008 IEEE Aerospace Conference, March 2008
- 32 Ali Mahmoodi, Mehdi Sabzeh Parvar, A.S. Nobari, "A Fast Algorithm for Solving Inverse Dynamics of Hexapod Motion System Using Reduced Order Dynamic Model ", The 7th Iranian Aerospace Society Conference, February 2008
- 33 Ali Mahmoodi, Mehdi Sabzeh Parvar, Mohammad Bagher Menhaj, "A Neural-Based Algorithm for Closed- Loop Position-Orientation Control of a 6DOF Stewart Platform ", The 7th Iranian Aerospace Society Conference, February 2008
- 34 Hassan Haghhigh, Mehdi Sabzeh Parvar, "Design and Optimization of Landing Autopilot Using Nonlinear Least Square Method ", 7th INTERNATIONAL IRANIAN AEROSPACE SOCIETY, February 2008
- 35 Mohsen Bidoki, Mehdi Sabzeh Parvar, "Hydrodynamic Parameter Estimation of AUV using System Identification ", The 6th Conference of Iranian Aerospace Society, February 2007
- 36 Mohsen Bidoki, Mehdi Sabzeh Parvar, "System Identification of AUV in Pitching mode Using Extended Kalman Filter ", The 6th Conference of Iranian Aerospace Society, February 2007
- 37 Mehdi Sabzeh Parvar, Hosein Asari, "Analysis of microburst effect on an aircraft landing approach ", , February 2007
- 38 Mehdi Sabzeh Parvar, Elyasi Mohammad Reza, Vafadar, "Flight Simulator Performance Investigation in Training ", The 3rd Aviation Safety Conference, December 2005
- 39 Mehdi Sabzeh Parvar, Morteza Bayati, "Process Of High Efficiency Propeller Design Used in UAV and its Reliability Analysis ", 5th International Iranian Aerospace Society Conference, February 2004

## Taught Courses

#	Course title	Description	Headlines	Date
1	Flight Mechanics (II)	Introduction, dynamic behavior of flight vehicles, flying qualities analysis, correction of flying quality of flight vehicles, Deriving & Solving Aircraft SDF Equation of Motion		Fall 2021
2	Guidance & Navigation (I)	Introduction to navigation system, Inertial stable platform and Inertial Strap-down navigation system Introduction to guidance system and laws, two and three point guidance systems		Fall 2021
3	Avionics	Introduction to Avionics system		Spring 2021
4	Flight Parameters Estimation & Measurement	APPLYING ESTIMATION AND FLIGHT TECHNIQUE TO IDENTIFY STABILITY AND CONTROL DERIVATIVES AND FILTERING OF PROCESS AND MEASUREMENT NOISES		Spring 2021
5	Guidance & Navigation (I)	Introduction to navigation system, Inertial stable platform and Inertial Strap-down navigation system Introduction to guidance system and laws, two and three point guidance systems		Fall 2020
6	Flight Mechanics (II)	Introduction, dynamic behavior of flight vehicles, flying qualities analysis, correction of flying quality of flight vehicles, Deriving & Solving Aircraft SDF Equation of Motion		Fall 2020