

# Mahmoud Mani



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## Personal Information

- Marital status: Married (2 Sons, Mohammad Reza & Mohammad Hossein)
- Nationality: Iranian
- Date of Birth: 23. Sep. 1954
- Place of Birth: Isfahan, Iran

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## Education

- Amirkabir Univ. of Tech. Tehran, Iran B.Sc. of Mechanical Eng. (1977)
- E.N.S.A.E Toulouse, France M.SC. of Aerospace Eng. (1980)
- E.N.S.A.E Toulouse, France PH.D of Applied Mechanics-Aerodynamics. (1984)

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## Professional Experience

- 1990, Aerospace Eng. Dept. Amirkabir Univ. of Tech. Tehran, Iran, Assistant Prof.
  - 2000, Aerospace Eng. Dept. Amirkabir Univ. of Tech. Tehran, Iran, Associate Prof.
  - 2006, Aerospace Eng. Dept. Amirkabir Univ. of Tech. Tehran, Iran, Professor.
  - 1993-1997, Head of Aerospace Eng. Dept. Amirkabir Univ. of Tech. Tehran, Iran.
  - 1997-2000, Vice- Chancellor for Research Amirkabir Univ. of Tech. Tehran, Iran.
  - 2004(March)-2005(February), Academic visitor at Aeronautical and automotive Eng. Dept. Loughborough University, Loughborough U.K.
  - 2005 – 2007, Head of Aerospace Eng. Dept. Amirkabir Univ. of Tech. Tehran, Iran.
  - 2007 - ... , Center of Excellence for Computational Aerospace Engineering.
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**Taught Courses**

- Thermodynamics
- Fluid Mechanics
- Gas Dynamics
- Aerodynamics of Compressible fluid flow
- Experimental Aerodynamics
- Supersonic Aerodynamics
- Intake Aerodynamics
- Transonic Aerodynamics

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**Journal Papers**

1. Masoud Eidi Attar Zade, Sadegh Tabejamaat, Mahmoud Mani, Mohammad Farshchi, "Numerical Study of Ignition Process in Turbulent Shear-less Methane-air Mixing Layer," Flow Turbulence And Combustion, Vol. 0, No. 0, PP. 1 - 28, (2017).
  2. Masoud Eidi Attarzadeh, sadegh Tabejamaat, Mahmoud Mani, Mohammad Farshchi, "Studying the Effects of Temperature on Ignition of Methane-air Jet using LES Method", Article 1, Volume 9, Issue 2 - Issue Serial Number 18, Page 1-19, (2017).
  3. Fakhri Etemadi, Mohammad Etemadi, Mahmoud Mani, Sina Pooladsanj, "Experimental and numerical analysis of aerodynamic effects of repair patches on damaged airfoils", Journal of Mechanical Science and Technology, Volume 31, Issue 2, pp 651–658, (2017).
  4. Ramin Zakeri, Ramin Kamali Moghadam, Mahmoud Mani, "New chemical-DSMC method in numerical simulation of axisymmetric rarefied reactive flow" Physics of Fluids > Volume 29, Issue 4 > Fluids 29, 047105 (2017).
  5. A.Tarabi, S.Ghasemloo, M.Mani, "Aerodynamic and Performance Evaluation of a Variable-Sweep Morphing Wing", Volume 23, Issue 6, Page 2694-2703, (2016).
  6. Behnaz Beheshti Broumand, Mahmoud Mani, Niosha Fallahpour, "Experimental and numerical investigation into the wake of supercritical airfoil in a compressible unsteady flow," Proceedings Of The Institution Of Mechanical Engineers Part G-journal Of Aerospace Engineering, Vol. 0, No. 0, PP. 0 - 0,(2016).
  7. Vahid Nasr Esfahani, Mahmoud Mani, "Numerical Study of Reduced Frequency Effect on Longitudinal Stability Derivatives of Airfoil under Pitching and Plunging Oscillations", Journal of Aerospace Technology and Management, (2016).
  8. Farhad Fani Saberi, Soheil Khalajian, Mahmoud Mani, "Sliding Mode Active Vibration Suppression and Three Axis Attitude Control of Satellite Using Four Reaction Wheels," International Journal Of Computer Applications, Vol. 152, No. 1, PP. 29 - 36, 18 October (2016).
  9. A. Tarabi, S. Ghasemloo, M. Mani, "Experimental investigation of a variable-span morphing wing model for an unmanned aerial vehicle", Journal of the Brazilian Society of Mechanical Sciences and Engineering, 38-7-1833-1841, (2016).
  10. S. Noori S. Ghasemloo M. Mani, "Viscous Shock Layer Around Slender Bodies with Nonequilibrium Air Chemistry", Shiraz University
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- Iran J Sci Technol Trans Mech Eng 41:251–264, (2016)
11. Ramin Zakeri, Ramin Kamali-Moghadam, Mahmoud Mani, “A new approach for chemical reaction simulation of rarefied gas flow by DSMC method”, Elsevier Computers & Fluids, Volume 140, 25, Pages 111-121, (2016).
  12. M. Saeedi, F. Ajalli, M. Mani, “A comprehensive numerical study of battle damage and repairs upon the aerodynamic characteristics of an aerofoil” Volume 114, Issue 1158 August 2010 , pp. 469-484, (2016).
  13. Soheila Abdolahi Poor, Mahmoud Mani, “The effect of the damage on the aerodynamic characteristics of wing with respect to the three-dimensional effects”, Volume 4, Issue 2, Winter 2016, Page 7-19, (Persian Language),(2016)
  14. F. Ajalli, M. Mani, M. Tadjfar,” Plunging Wake Analysis of an Airfoil Equipped With a Gurney Flap”, Volume 39, Issue 5, Pages 48–60, (2015).
  15. A. A. Haghiri, N. Fallahpour, M. Mani, “Experimental study of boundary layer in compressible flow using hot film sensors through statistical and qualitative methods”, Journal of Mechanical Science and Technology, Volume 29, Issue 11, pp 4671–4679, (2015).
  16. Saeedi, Mani, Hamta, “Wall-interference correction for the surface-pressure hysteresis of an airfoil undergoing plunging motion”2015/01/01 293 305 Transactions- Canadian Society for Mechanical Engineering VL - 39, (2015)
  17. M.Mani, “Plunging Airfoil Load Characteristics Equipped with Gurney Flap”, JAST Article 6, Volume 10, Issue 2, Page 25-36, (2013).
  18. Fariba Ajalli, Mahmoud Mani, “Effects of adding strip flap on a plunging airfoil”, Aircraft Engineering and Aerospace Technology: An International Journal, Vol. 86 Issue: 1, pp.6-18, (2013).
  19. M. Saniei , Nejad , A.A. Haghiri , M. Mani\* , S. Dorosty, “Experimental Investigation of Reynolds Number and Blockage Effects on Aerodynamical Characteristics of a Standard Model at Transonic Regime.” (Persian Language) (2013).
  20. M.. Sanei Nejad, Mahmoud Mani, "a numerical investigation on supersonic turbulent boundary layer on rough plates," , Vol. 2, No. 25, PP. 46 - 76, 22 February (Persian Language) (2012).
  21. Fariba Ajalli, Mahmoud Mani, Mozghan Gharakhanloo, "Wake Frequency Analysis of a Plunging Airfoil with Trailing-Edge Strips," Applied Mechanics And Materials, Vol. 225, No. 2012, PP. 3 - 7, (2012).
  22. Amrollah Moradi, Mahmoud Mani, Mohamadali Ranjbar, Mobin Mottaghipour,” Experimental and numerical investigation of AUT shock tube”, Pelagia Research Library European Journal of Experimental Biology, 2 (5):1820-1826 ISSN: 2248 –9215, (2012).
  23. Soheila Abdolahipour, Mahmoud Mani, P.m.render, “Numerical & Experimental Study of the Influence of Damage on the Aerodynamic Characteristics of Finite Wing,” The Cfd Society Of Canada, Canada, (2012).
  24. F. Ajalli & M. Mani, “Numerical Investigation Of Dynamic Stall
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- Phenomenon On A Plunging Airfoil”, WIT Transactions on Modelling and Simulation, Volume 51, Page 55 – 66, (2011).
25. F Etemadi, B Yahyavi, M Mani, “Experimental and numerical investigations on an airfoil with triangular- and star-shaped damage”, Volume: 226 issue: 3, page(s): 341-360, (2011).
  26. Hamed Sadeghi, Mahmoud Mani, S.M. Hossein Karimian, “Unsteady wake measurements behind an airfoil and prediction of dynamic stall from the wake”, Aircraft Engineering and Aerospace Technology, Vol. 82 Issue: 4, pp.225-236,(2010).
  27. F. Rasi Marzabadi, B. Beheshti, Boroumand, M. Mani, F. Ajalli, “Aerodynamic Investigation of a Damaged Airfoil with Wall Effects”, Article 2, Volume 17, Issue 5, (2010).
  28. Kaveh Amiri, Mohammad Reza Soltani, H. Haghiri, Mahmood Mani, “EXPERIMENTAL INVESTIGATION OF EFFECTS OF WALL POROSITY AND SUCTION ON THE FLOW QUALITY IN A TRANSONIC WIND TUNNEL”, Volume 6, Issue 2, Page 63-70,(2009)
  29. S. Ghasemloo, M. Mani, “Non-equilibrium viscous shock-layer technique for computing hypersonic flow around blunt-nosed slender bodies”, International Journal of Numerical Methods for Heat & Fluid Flow, Vol. 19 Issue: 5, pp.574-594, (2009).
  30. Hamed Sadeghi, Mahmoud Mani, "Measurements of the flow field behind a helicopter blade using the hot-wire anemometry," , Vol. 0, No. 2, PP. 0 - 0, 01 March (2009).
  31. Peter M. Render, Mujahid Samaad-Suhaeb, Zhiyin Yang, and Mahmoud Mani. “Aerodynamics of Battle-Damaged Finite-Aspect-Ratio Wings”, Journal of Aircraft, Vol. 46, No. 3, pp. 997-1004, (2009).
  32. S Noori, S Ghasemloo, M Mani , “A new method for solution of viscous shock-layer equations”, Research Article, Volume: 224 issue: 6, page(s): 719-729, (2009)
  33. K. Raissi, M. Mani, H. Ghaffari and A. Nobari, “Analysis of a reversible flight control system response to atmospheric turbulence”, The Aeronautical Journal Volume 112, Issue 1128bFebruary 2008 , pp. 93-100, (2008).
  34. Kamran Raissi, Mahmoud Mani, Mehdi Sabzehparvar, Hooyar Ghaffari, “A single heavy load airdrop and its effect on a reversible flight control system”, Aircraft Engineering and Aerospace Technology, Vol. 80 Issue: 4, pp.400-407, (2008).
  35. Sadeghi H., Mani M., and Ardakani M. A, “Effect of Amplitude and Mean Angle of Attack on Wake of an Oscillating Airfoil”, PROCEEDINGS OF WORLD ACADEMY OF SCIENCE, ENGINEERING AND TECHNOLOGY VOLUME 33 SEPTEMBER 2008 ISSN 2070-3740, (2008).
  36. M r navabi, m shamsi, m mani, “time optimal switching control computation of nonlinear systems using LGI method”, Amirkabir/vol.18/no.67-b (2007).
  37. Ghasemloo, Mani, Malekzade Dirin, Viscous shock layer Solutions around Hypersonic Bodies for Low and High Altitude Flow,
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38. Peter M. Render, Suraj De Silva, Andrew Walton, Mahmoud Mani, "Experimental Investigation into the Aerodynamics of Battle Damaged", *Airfoils Journal of Aircraft*, 2007, Vol.44: 539-549, 10.2514/1.24144, (2007).
  39. S.M. Mirsajedi, S.M.H. Karimian, M. Mani " A Multizone Moving Mesh Algorithm for Simulation of Flow Around a Rigid Body with Arbitrary Motion", *Journal of Fluid Engineering, Transaction of the ASME*, March (2006).
  40. M. Mani, S. Mahjoob " A comparative Investigation into Aerodynamic Performances of Two Set Finned Bodies with Circular and Non Circular Cross Sections" *WSEAS Transactions on Fluid Mechanics Issue 1, Volume1*, (2006).
  41. H. Parhizkar, S.M.M. Karimian, M, Mani " Numerical Simulation of flow past Oscillating Airfoil Using oscillation of Flow Boundary Condition" *journal of Aerospace Science and Technology*, Vol.3 No.1, (2006).
  42. S.M. Mirsajedi, S.M.H. Karimian, M. Mani " A Multizone Moving Mesh Algorithm for Simulation of Flow Around a Rigid Body with Arbitrary Motion", *Journal of Fluid Engineering, Transaction of the ASME*, March (2006).
  43. M. Mani, M.R. Soltani, E. Tolouei "An Experimental study of Time Lag for pressure Measurement in Different Tubes", *Amirkabir Journal of Science and Technology*, No. 61, (2005).
  44. Shadi Mahjoob, Mahmoud Mani, Mohammad Taeibi-Rahni, "Aerodynamic Analysis of Circular and Noncircular Bodies Using Computational and SemiEmpirical Method", *Journal of Aircraft* Vol.41, No.2, March-April (2004)
  45. M. Mani, A. Naghib-lahouti, M. Nazarinia:"Experimental and numerical aerodynamic analysis of a satellite launch vehicle with strap-on boosters", *The Aeronautical Journal*, (2004).
  46. M.Mani, M.R. Soltani, A. Haghiri: "Experimental Study of Base Pressure of Two-Dimensional and Axisymmetric Bodies and Evaluation of the Theoretical Methods", *ESTEGHLAL, Journal of Engineering, Isfahan University of Technology*, Vol. 23, No.1, ( Persian Language) (2004).
  47. Shadi Mahjoob, Mahmoud Mani, Performance Evaluation of CFD Methods against Semi-Empirical Methods in Aerodynamic Estimation of Bodies Using Experimental Results, *Amirkabir Journal*. (2003).
  48. M. Mani, M. Dadkhah :” The Measurement of Oxidant/Fuel Ratio in Injector Plate of Liquid Propellant Engine before Combustion, with an Experimental Method and its Comparison with a Theoretical Method” *Iranian Journal of Science & Technology, Transaction B*, Vol. 26, No. B3, (2002).
  49. M. Mani. V. Madani A. Khajehfard :” Study of Slender Bodies
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Aerodynamics with None Circular Cross Section" Amirkabir Journal of Science and Technology. NO.44 Autumn (Persian Language) (2000).

50. M. Mani, H. Hoshangi:" Investigation of the Spin Phenomena In Light Airplane Amirkabir Journal of Science and Technology. No. 40 Spring, (Persian Language) (1999).
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**Conference  
Papers**

1. Farhad Fani Saberi, Soheil Khalajian, Mahmoud Mani, "Three-Axis attitude control of a flexible satellite and active control of vibration based on sliding mode control," 1st International Conference On New Research Achievements In Mechanics, Mechatronics & Biomechanics, Iran (Islamic Republic of), 26 May 2016 - 26 May 2016.
  2. Farhad Fani Saberi, Soheil Khalajian, Mahmoud Mani, "active control of vibration and attitude control of a flexible satellite in the presence of external disturbances using 4 reaction wheels," 1st International Conference On New Research Achievements In Mechanics, Mechatronics & Biomechanics, Iran (Islamic Republic of), 26 May 2016 - 26 May 2016.
  3. Farhad Fani Saberi, Seid Amir Hossein Emtiazi Pour, Mahmoud Mani, "Design of a robust attitude controller for formation flying satellites based on Chebyshev neural network in the presence of reaction wheels models and model uncertainties," 15th International Conference Of Iranian Aerospace Society, Iran (Islamic Republic of), 23 February 2016 - 25 February 2016.
  4. Seid Amir Hossein Emtiazi Pour, Farhad Fani Saberi, Mahmoud Mani, "Backstepping adaptive attitude controller for formation flying satellites considering of non alignment trust vector and darg disturbance," The 4th International Conference On Control, Instrumentation And Automation, Iran (Islamic Republic of), 27 January 2016 - 28 January 2016.
  5. Vahid Nasr Esfahani, Mahmoud Mani, "Numerical Study of damping sability derivatives for an airfoil under pitching oscillation," International Conference On Research In Engineering, Science And Technology, Turkey, 21 July 2015 - 21 July 2015.
  6. Zahra Seifollahi Moghadam, Mahmoud Mani, " High-lift device desig for a jet passenger aircraft ," The 14th International Conference Of Iranian Aerospace Society, Iran (Islamic Republic of), 03 March 2015 - 05 March 2015.
  7. Narges Eshikaghasi, Mahmoud Mani, "Numerical Investigation of the Effects of Guarney Flap on the Steady Flow around an Airfoil ," 13th Conference Of Iranian Aerospace Society, Iran (Islamic Republic of), 04 March 2014 - 06 March 2014.
  8. Zeinab Heidari, Mahmoud Mani, "Numerical Simulation of Circular Damage on a Finite Wing," 13th Conference Of Iranian Aerospace Society, Iran (Islamic Republic of), 04 March 2014 - 06 March 2014.
  9. Narges Eshikaghasi, Mahmoud Mani, "Aerodynamic Design of the Subsonic Wind Tunnel of Amirkabir University of Technology," 13th Conference Of Iranian Aerospace Society, Iran (Islamic Republic of), 25 February 2014 - 06 March 2014.
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10. Mahzad Khoshlessan, S.m.h. Karimian, Mahmoud Mani, "Numerical Study of Transient behavior of a NACA 0008 Airfoil Equipped with a Gurney Flap Using a Control-Volume Based Finite Element Collocated Scheme," Scitech 2014 , Aiaa Science And Technology Forum And Exposition - The 52nd Aerospace Sciences Meeting, United States, 01 January 2014 - 05 January 2014.
  11. Asghar Fazli, Mahmoud Mani, "An Experimental Investigation of Distortion Coefficients and Air Channel Entrance Efficiency Dependence," 12th Iranian Aerospace Society Conference, Iran (Islamic Republic of), 19 February 2013 - 21 February 2013.
  12. Fatemeh Aghazadeh, Mahmoud Mani, Shakiba Moradi, "A Numerical Investigation of T-Strip effect on NACA0012 Airfoil in Unsteady Flow ," 12th Iranian Aerospace Society Conference, Iran (Islamic Republic of), 19 February 2013 - 21 February 2013.
  13. Fariba Ajalli, Mahmoud Mani, T. Maaref Doost, "Miniature Flap Effects on Aerodynamic Performance of Eppler 361 Airfoil at Low Reynolds Number," 12th Iranian Aerospace Society Conference, Iran (Islamic Republic of), 19 February 2013 - 21 February 2013.
  14. Abdolali Haghiri, Mahmoud Mani, Niusha Fallahpour, "An Investigation of Compressible Steady Boundary Layer By Hot Film Sensor Measurement In High Speed Wind Tunnel," 12th Iranian Aerospace Society Conference, Iran (Islamic Republic of), 19 February 2013 - 21 February 2013.
  15. Fariba Ajalli, Mozghan Gharakhanloo, Mahmoud Mani, Sahar Daraeizadeh, "AN INVESTIGATION OF GURNEY FLAP EFFECTS ON THE WAKE OF AN AIRFOIL IN PLUNGING MOTION," Proceedings Of The Asme 2012 International Mechanical Engineering Congress & Exposition Imece2012 , United States, 07 November 2012 - 15 November 2012.
  16. Fariba Ajalli, Mahmoud Mani, Mozghan Gharakhanloo, "The Unsteady Turbulent Wake Measurements of Gurney Flapped Plunging Airfoil," The First National Aerodynamics & Hydrodynamics Conference - Hac2012, Iran (Islamic Republic of), 17 October 2012 - 18 October 2012.
  17. Narges Eshikaghasi, Mahmoud Mani, "A Numerical Investigation Over An Airfoil With Gurney Flap In Unsteady Flow Field," Aero-hydro National Conference, Iran (Islamic Republic of), 16 October 2012 - 17 October 2012.
  18. Mohammad Saeedi, Fariba Ajalli, Mahmoud Mani, Nasser Oskouie, "Different Grid Strategies Toward Numerical Simulation of a Plunging Airfoil," The Canadian Society For Mechanical Engineering International Congress2012, Canada, 04 June 2012 - 06 June 2012.
  19. Soheila Abdolahipour, Mahmoud Mani, P.m.render, "Numerical & Experimental Study of the Influence of Damage on the Aerodynamic Characteristics of Finite Wing," 20th Annual Conference Of The Cfd Society Of Canada, Cfd2012, Canada, 09 May 2012 - 11 May 2012.
  20. Shahabaddin Fotoohi, Mahmoud Mani, "An Experimental Investigation of Petalling Effect on Damaged Wing With Direct and Reverse
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- Triangle Shape Damages , " 11th Conference Of Iranian Aerospace Society Aero2012, Iran (Islamic Republic of), 20 February 2012 - 22 February 2012.
21. Fariba Ajalli, Mahmoud Mani, "Plunging Airfoil Loading Characteristics at Low Reynolds Number Regime," 12th Iranian Aerospace Society Conference, Iran (Islamic Republic of), 20 February 2012 - 22 February 2012.
  22. Fakhri Etemadi, Bahareh Yahyavi, Mahmoud Mani, M. etemadi, "The Experimental and Numerical Study into the Aerodynamic Characteristics of Repairing Airfoils with Star Shape Damage," 20th Aiaa Computational Fluid Dynamics Conference, United States, 27 June 2011 - 30 June 2011.
  23. Fariba Ajalli, Mahmoud Mani, "Numerical Investigation of Dynamic Stall Phenomenon on a Plunging Airfoil," Computational Methods And Experimental Measurements Xv, United Kingdom, 31 May 2011 - 02 June 2011.
  24. Fariba Ajalli, Mahmoud Mani, "Numerical Investigation of Light Dynamic Stall of Eppler 361 at Low Reynolds Number," The 10th Conference Of Iranian Aerospace Society, Iran (Islamic Republic of), 01 March 2011 - 03 March 2011.
  25. Amrolah Moradi, Mahmoud Mani, Kamran Raissi Charmcani, Mohammad Ali Ranjbar, "Analysis of Sock Speed at Different Pressures in a Shock Tube," 10th Conference Of Iranian Aerospace Society , Iran (Islamic Republic of), 01 March 2011 - 03 March 2011.
  26. Ali Yarahmadi, Mahmoud Mani, Mahmood Joodaki, "Light Dynamic Stall on a Plunging Airfoil Using Forced Transition," The 10th Iranian Aerospace Society Onference, Iran (Islamic Republic of), 01 March 2011 - 03 March 2011.
  27. Fakhri Etemadi, Bahareh Yahyavi, Mahmoud Mani, M. Etemadi, "An Experimental Study to the Repairing of the Damaged Airfoil," The 10th Iranian Aerospace Society Conference, Iran (Islamic Republic of), 01 March 2011 - 03 March 2011.
  28. Fahime Goodazi, Mahmoud Mani, "Experimental Investigation of the Influence of Reduced Frequency on the Wake of a Plunging Airfoiul," The 10th Iranian Aerospace Society Conference, Iran (Islamic Republic of), 01 March 2011 - 03 March 2011.
  29. Samaneh Eivani, Mahmoud Mani, "Experimentak Investigation into the Influence of the Dimension of Forced Transition on the Flow around a Pitching Airfoil," The 10th Iranian Aerospace Society Conference, Iran (Islamic Republic of), 01 March 2011 - 03 March 2011.
  30. Fakhri Etemadi, Abdolali Haghiri, Mahmoud Mani, "Aerodynamic Design of an Ideal Supersonic Diffuzer Using Deflective Plates," The 10th Iranian Aerospace Society Conference, Iran (Islamic Republic of), 01 March 2011 - 03 March 2011.
  31. Mahmood Joodaki, Mahmoud Mani, Ali Yarahmadi, "Experimental Investigation into the Wall Effects on an Airfoil with Sinusoidal Pitching Motion," The 10th Iranian Aerospace Society Conference, Iran (Islamic Republic of), 01 March 2011 - 03 March 2011.
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32. Fariba Ajalli, Mahmoud Mani, Mohammad Saedi, "Experimental Investigation of the reduced frequency effects on a plunging airfoil near static stall region," 7th International Conference On Heat Transfer, Fluid Mechanics And Thermodynamics , Turkey, 19 July 2010 - 21 July 2010.
  33. Hamed Sadeghi, Mahmoud Mani, "An Experimental Study of the Unsteady Wake of an Eppler-361 Airfoil," 40th Fluid Dynamics Conference And Exhibit, United States, 28 June 2010 - 01 July 2010.
  34. Asghar Fazli, Mahmoud Mani, "Experimental study of total pressure distribution in a twin intake using dynamic tests," , Iran (Islamic Republic of), 11 May 2010 - 13 May 2010.
  35. Hamed Sadeghi, Mahmoud Mani, Ali Yarahmadi, Samaneh Eivani, "Measurement of turbulence intensity in the wake of an airfoil in unsteady flow by hot wire ," The Ninth International Conference Of Iranian Aerospace Society, Iran (Islamic Republic of), 08 February 2010 - 10 February 2010.
  36. Ali Yarahmadi, Mahmoud Mani, Samaneh Eivani, Hamed Sadeghi, "Experimental study of the flow over a plunging airfoil in different Reynolds number ," The Ninth International Conference Of Iranian Aerospace Society, Iran (Islamic Republic of), 08 February 2010 - 10 February 2010.
  37. Samaneh Eivani, Mahmoud Mani, Ali Yarahmadi, Hamed Sadeghi, "Experimental investigation into the influence of reduced frequency on the flow over a pitching airfoil," The Ninth International Conference Of Iranian Aerospace Society, Iran (Islamic Republic of), 08 February 2010 - 10 February 2010.
  38. Hamed Sadeghi, Mahmoud Mani, "The unsteady turbulent wake measurement behind an oscillating airfoil," , Italy, 14 September 2009 - 18 September 2009.
  39. Mahmoud Mani, , "Numerical studies about cavitation of internal turbulent flows," 6th International Symposium On Turbulence Heat And Mass Transfer, Italy, 14 September 2009 - 18 September 2009.
  40. Hamed Sadeghi, Mahmoud Mani, "Unsteady Flow Field in the Wake of an Airfoil," Asme Fluid Engineering Division Summer Meeting, United States, 02 August 2009 - 06 August 2009.
  41. Hamed Sadeghi, Mahmoud Mani, "Investigation of Flow Field Behind an Oscillating Airfoil Below and Beyond Static Stall," 7th Word Conference On Experimental Heat Transfer, Fluid Mechanics And Thermodynamics, other, 28 June 2009 - 03 July 2009.
  42. Mahmoud Mani, "An Experimental Wake Analysis of a Pitching Airfoil," 7th Word Conference On Experimental Heat Transfer, Poland, 28 June 2009 - 03 July 2009.
  43. Arash Ahmadzadegan, Abdolali Haghiry, Mahmoud Mani, "Numerical study of the effect of swirl and mixing lough on the performance of djectors," , Canada, 30 May 2009 - 05 June 2009.
  44. Hamed Sadeghi, Mahmoud Mani, "Unsteady wake measurements of airfoil," The 12th Conference Of Fluid Dynamics, Iran (Islamic Republic of), 28 April 2009 - 30 April 2009.
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45. Fariba Ajalli, Mahmoud Mani, "An Experimental Analysis of the Flow over a Plunging Airfoil in the Post Stall Region," The 8th Iranian Aerospace Society Conference, Iran (Islamic Republic of), 17 February 2009 - 19 February 2009.
  46. Mahmoud Mani, "Study of the Damage Shape on the Aerodynamics of an Airfoil," The Eighth International Conference Of Iranian Aerospace Society, Iran (Islamic Republic of), 17 February 2009 - 19 February 2009.
  47. Mahmoud Mani, "An Experimental Analysis of the Flow over the Plunging Airfoil," The Eighth International Conference Of Iranian Aerospace Society, Iran (Islamic Republic of), 17 February 2009 - 19 February 2009.
  48. Mahmoud Mani, "The visualization of the flow around a damaged airfoil using tufts ," The Eighth International Conference Of Iranian Aerospace Society, Iran (Islamic Republic of), 17 February 2009 - 19 February 2009.
  49. Ali Yarahmadi, Mahmoud Mani, "Effect of forced transition on an airfoil in plunging motion," The Eighth International Conference Of Iranian Aerospace Society, Iran (Islamic Republic of), 17 February 2009 - 19 February 2009.
  50. Fariba Ajalli, Mahmoud Mani, "Numerical investigation of repair effects on the aerodynamic characteristics of a circle damaged airfoil," , United States, 05 January 2009 - 08 January 2009.
  51. Hamed Sadeghi, Mahmoud Mani, "Effect of amplitude and mean angle of attack on wake of an oscillating airfoil," , Germany, 24 September 2008 - 26 September 2008.
  52. Bahareh Yahyavi, Mahmoud Mani, "The influence of reynolds number on the aerodynamic characteristics of airfoils with traingular shaped through damage," , Korea, Republic of, 18 August 2008 - 21 August 2008.
  53. Fatemeh Abdi, Mahmoud Mani, "Unsteady surface pressure measurement on a pitching air foil," , South Africa, 30 June 2008 - 02 July 2008.
  54. Mahmoud Mani, Fahime Goodazi, S.m.h. Karimian, "Wake analysis of a plunging airfoil," , South Africa, 30 June 2008 - 02 July 2008.
  55. Fariba Ajalli, Mahmoud Mani, "Numerical analysis of the flow structure in a circular damage on an airfoil," The 11th Conference Of The Fluid Dynamics, Iran (Islamic Republic of), 21 May 2008 - 21 May 2008.
  56. Bahareh Yahyavi, , Mahmoud Mani, "Experimental investigation into the interference of the flow on a damaged airfoil with different shapes of damage ," The 11th Conference Of The Fluid Dynamics, Iran (Islamic Republic of), 21 May 2008 - 21 May 2008.
  57. Mahmoud Mani, Fariba Ajalli, Mohammadreza Soltani, "An experimental investigation of the reduced frequency effects into pressure coefficients of a plunging airfoil," International Conference Of Advanced Fluid Mechanics(Afm), United Kingdom, 21 May 2008 - 23 May 2008.
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58. Fariba Ajalli, , Faezeh Rasy-marzabady, Mahmoud Mani, "Numerical analysis of the repair on a circular shape damaged airfoil," The Seventh International Conference Of Iranian Aerospace Society, Iran (Islamic Republic of), 19 February 2008 - 22 January 2008.
  59. Bahareh Yahyavi, , Mahmoud Mani, "Experimental study of the aerodynamic performance of a damaged airfoil in different Reynolds number," The Seventh International Conference Of Iranian Aerospace Society , Iran (Islamic Republic of), 19 February 2008 - 22 January 2008.
  60. Mohammad Reza Navabi, Mahmoud Mani, Mostafa Shamsi, "Numerical Solution of Bang-Bang Optimal Control Problems USING Spectral Direct Method," , Paraguay, 08 July 2007 - 11 July 2007.
  61. Fariba Ajalli, Mahmoud Mani, Mohammadreza Soltani, "An Experimental Investigation of Pressure Distribution Around a Heaving Airfoil," , South Africa, 01 July 2007 - 04 July 2007.
  62. Faezeh Rasy-marzabady, Fariba Ajalli, Mahmoud Mani, , "Numerical Aerodynamic Analysis of a Damaged Airfoil With Wall Effects," , South Africa, 01 July 2007 - 04 July 2007.
  63. Sadjad Ghasemlooy, Mahmoud Mani, Sahar Nouri, "Nonequilibrium Viscous Shock-Layer Thechnique for Hyoersonic Blunt-Nosed Slender Bodies," , Belgium, 01 July 2007 - 06 July 2007.
  64. Faezeh Rasy-marzabady, Fariba Ajalli, Mahmoud Mani, , "Numerical Aerodynamic Analysis of a Damaged airfoil," , United States, 25 June 2007 - 28 June 2007.
  65. Soheila Abdolahipour, Mahmoud Mani, "Numerical investigation into the aerodynamic characteristics of wings with triangular shape damage in different span positions," , Canada, 27 May 2007 - 31 May 2007.
  66. Sadjad Ghasemlooy, Mahmoud Mani, , "Viscous shock- layer solutions around hypersonic bodies for low and high altitude flow," , Canada, 21 May 2007 - 23 May 2007.
  67. Faezeh Rasy-marzabady, Fariba Ajalli, Mahmoud Mani, "Numerical analysis of the aerodynamics of a damaged airfoil with different shape of damage and boundary condition ," The Sixth National Conference Of Iranian Aerospace Society, Iran (Islamic Republic of), 24 February 2007 - 26 February 2007.
  68. Mahmoud Mani, , Anvar Ahmadkhah, "Validation of different codes used for aerodynamic analysis of bodies with square cross section at high Mach number," The Sixth National Conference Of Iranian Aerospace Society, Iran (Islamic Republic of), 24 February 2007 - 26 February 2007.
  69. Mahmoud Mani, Anvar Ahmadkhah, , "Experimental and numerical analysis of the flow structure around the nose of a guided body," The Sixth National Conference Of Iranian Aerospace Society, Iran (Islamic Republic of), 24 February 2007 - 26 February 2007.
  70. Fariba Ajalli, Mahmoud Mani, Mohammadreza Soltani, "Experimental study of pressure distribution around E361 airfoil in plunging motion," The Sixth National Conference Of Iranian Aerospace Society, Iran (Islamic Republic of), 24 February 2007 - 26 February 2007.
-

- 
71. Mahdi Mortazavi, Hamed Khodabakhshian Naeini, Mahmoud Mani, "A method for definition of the aerodynamic coefficient of the wing using pressure distribution ," Isme 2006, Iran (Islamic Republic of), 16 May 2006 - 18 May 2006.
  72. Mahmoud Mani, "a comparative investigation into aerodynamic performances of tow set finned bodies with circular and non circular cross sections," , Greece, 18 January 2006 - 20 January 2006.
  73. Mahmoud Mani, "experimental investigation in to the aerodynamic characteristics of airfoils with triangular and star shaped through damage," , Canada, 04 June 2005 - 06 June 2005.
  74. Mahmoud Mani, "Aerodynamics study of circular and non circular bodies," The Conference Of Mechanical Engineers, Iran (Islamic Republic of), 21 March 2005 - 21 March 2005.
  75. Mohammadreza Soltani, Mahmoud Mani, Elham Tolouei, "An experimental investigation of surface pressure variation over an oscillating airfoil," , Australia, 01 March 2005 - 01 March 2005.
  76. Sara Afsharykia, S.m.h. Karimian, Mahmoud Mani, ", " , Iran (Islamic Republic of), 19 February 2005 - 19 February 2005.
  77. Ali Mohammad Tavakoli Taft, Mahmoud Mani, ", " , Iran (Islamic Republic of), 19 February 2005 - 19 February 2005.
  78. Shadi Mahjoob, Mahmoud Mani, "The performance of semi empirical codes in aerodynamic estimation of circular and non circular bodies," , Kuwait, 01 December 2004 - 01 December 2004.
  79. Shadi Mahjoob, Mahmoud Mani, "The performance of CFD methods in aerodynamic estimation of circular and non circular bodies," , Greece, 01 November 2004 - 01 November 2004.
  80. Elham Tolouei, Mahmoud Mani, Mohammadreza Soltani, Masoud Boroomand, "Flow Analysis Around a pitching airfoil," , United States, 16 August 2004 - 19 August 2004.
  81. Shadi Mahjoob, Mahmoud Mani, , , ", " , Iran (Islamic Republic of), 18 May 2004 - 20 May 2004.
  82. Mahmoud Mani, Arash Naghib Lahouti, , "Experimental and numerical aerodynamic analysis of a launch vehicle with strap \_ on boosters .," , Iran (Islamic Republic of), 16 February 2004 - 18 February 2004.
  83. Anvar Ahmadkhah, Mahmoud Mani, ", " , Iran (Islamic Republic of), 16 February 2004 - 18 February 2004.
  84. Mahmoud Mani, Mohammadreza Soltani, Elham Tolouei, "An experimental study of time lag in different tubes," , Iran (Islamic Republic of), 16 February 2004 - 18 February 2004.
  85. Kamran Raissi Charmceni, Mahmoud Mani, "General Aviations options for prevention of controled \_ flight \_ into \_ terrain," , Iran (Islamic Republic of), 16 February 2004 - 18 February 2004.
  86. Tahereh Mirmohammadi Ghoozhdi, Mahmoud Mani, Shadi Mahjoob, ", " , Iran (Islamic Republic of), 16 February 2004 - 18 February 2004.
  87. Shadi Mahjoob, Mahmoud Mani, , "Aerodynamic performance of Bodies with Diffrent cross sections," , United States, 24 June 2002 - 26 June 2002.
  88. Kamran Raissi Charmceni, Arash Naghib Lahouti, Mahmoud Mani,
-

- 
- "An Automatic Data Acquisition System for Flight Testing," , Iran (Islamic Republic of), 30 December 2000 - 01 January 2001.
89. Mohammadreza Soltani, Mahmoud Mani, Abdolali Haghiri, ",", Iran (Islamic Republic of), 30 December 2000 - 01 January 2001.
90. Mahmoud Mani, Afshin Khajehfard, "Aerodynamic Characteristics of Bodies with Square Elliptic and Circular Cross Section," , United States, 21 June 2000 - 21 June 2000.
91. Mahmoud Mani, Mojtaba Dadkhah, "A Simple Code for Calculation of Mixture ratio in Liquid Propellant Rocket Engine and Its Evaluation," , United States, 21 June 2000 - 21 June 2000.
92. Vahid Esfehni, Mahmoud Mani, Mostafa Hadidoobi, ",", Iran (Islamic Republic of), 23 October 1998 - 23 October 1998.
93. Mahmoud Mani, Vahid Madani, Afshin Khajehfard, ",", Iran (Islamic Republic of), 21 March 1998 - 21 March 1998.
94. Mahmoud Mani, Hassan Isvand, ",", Iran (Islamic Republic of), 20 March 1996 - 20 March 1996.
-