Amin Mahmoudzadeh Andwari

Director of Internal Combustion Engine Laboratory
Vehicle, Fuel and Environment Research Institute (VFERI), 4th floor of Institute of Petroleum Eng. Bld.
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EDUCATION

- **Ph.D.** Mechanical Engineering, Universiti Teknologi Malaysia (UTM), Malaysia, 2014

  Thesis*: "Investigation on The Combustion Characteristics of A Controlled Auto-Ignition (CAI) Engine In Conjunction with Internal EGR, External EGR and Fuel Octane Number Variations"*

  Experimental & 1-D Simulation study (GT-Power & Fluent-ANSYS)

- **M.Sc.** Mechanical Engineering (Energy Conversion), IAU of Science & Research Tehran Branch, Iran, 2009

  Thesis*: "Numerical Investigation on Compressible Flow Across A Micro Nozzle Device"*

  2-D Simulation study (Fluent & Gambit)

- **B.Sc.** Mechanical Engineering (Thermo-fluids), IAU of South-Tehran Branch, Iran, 2006

  Thesis: *"Compressed Natural Gas (CNG) As an Alternative Fuel For Spark Ignition (SI) Engines; Potentials and Advantages"*

EXPERIENCE

- **Director of Internal Combustion Engine Laboratory:** 2017

  Vehicle, Fuel and Environment Research Institute (VFERI), College of Engineering, University of Tehran.

- **Postdoctoral Research Associate:** 2017

  Vehicle, Fuel and Environment Research Institute (VFERI), College of Engineering, University of Tehran.

- **Postdoctoral Research Associate:** 2016

  Automotive Development Centre (ADC), Faculty of Mechanical Engineering, Universiti Teknologi Malaysia (UTM).

  - Experimental investigation on the Fuel spray formation and visualization of a Gasoline Direct Injector (GDI); Optical study using pulsed laser shadowgraph.

- **Postdoctoral Research Associate:** 2015

  Centre for Advanced Powertrain and Fuels Research (CAPF), Department of Mechanical Engineering, Brunel University London, UK (Experimental at Imperial College London).

  - Turbocharger Aero-thermal Design and Heat Transfer Optimization under Realistic Engine Conditions for Low Carbon Vehicles
  - Design of Experiments (DoE), turbocharger instrumentation considering heat transfer and pulsating flow, calibration and data analysis in gas stand/on-engine (Imperial College London).
  - Turbocharger experimental test in cold flow (Gas stand) and On-Engine , steady and unsteady state
  - Numerical modeling of turbine and turbocharger performance map on the engine.

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- **Research Associate:** 2014

  Automotive Development Centre (ADC), Faculty of Mechanical Engineering, Universiti Teknologi Malaysia (UTM).

  Research Topic:

  "Design and development of a Gasoline Direct Injector: A numerical investigation"

- **Teaching Assistant:** 2013-2016

  - Racing Vehicle Design and Performance, Internal Combustion Engine (ME2604/8, ME3604, ME5541), Lecture and Modeling laboratory (Matlab), College of Engineering, Design and Physical Sciences, Brunel University London.
  - Internal Combustion Engines (SKMM 4413), Faculty of Mechanical Engineering, UTM.
  - Power Plant Engineering (SKMM 4423), Faculty of Mechanical Engineering, UTM.
  - Applied Thermodynamic (SKMM 2423), Faculty of Mechanical Engineering, UTM.
  - Combustion Laboratory, Faculty of Mechanical Engineering, UTM.
  - Thermodynamic Laboratory, Faculty of Mechanical Engineering, UTM.

- **Research Assistant:** 2011-2014

  As a Ph.D. Student in Automotive Development Centre (ADC), Faculty of Mechanical Engineering, Universiti Teknologi Malaysia.

- **Senior Engineer** 2007-2010

  TAHVIEH NIA; An exclusive dealership and after sales services of heavy industrial air-conditioning systems (HVAC) such as HITACHI, YAZAKI and KUKEN of Japan, VIESSMANN of Germany, UNIFLAIR of Italy.
  Dealing with design and calculation of heavy industrial air-conditioning systems including cooling/heating capacities, HVAC & HPAC requirements for buildings with residential, ministerial, commercial and industrial applications (ASHRAE Standard; Carrier-HAP 4).

INTERESTS

- Internal Combustion Engines Development
- Advanced/Low Temperature Combustion Development (CAI/HCCI/PCCI/RCCI)
- In-cylinder flow field/mixture distribution/liquid fuel measurement (LDA/LDV, PIV, PLIF)
- Turbo/Supercharged boosted engines Development
- Engine Exhaust Waste Heat Recovery Modeling and Development (ORC, TEG, IBC)
- Direct Injection SI Engines (GDI/DISI) Development
- High-Pressure Common Rail diesel engine
- Engine combustion and flame visualization

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SKILLS

- Modeling/Simulation/Optimization of combustion engines (GT-Power/Ricardo WAVE/AVL FIRE)
- Design of Experiments (DoE) to build test facilities
- Virtual Instrumentation Experimental Design (LabVIEW)
- Instrumentation calibration, benchmarking test, data acquisition setup, functional testing and data analysis
- Gasoline and Diesel engine performance and exhaust emission evaluation/calibration based on Chassis and Engine-Dyno
- Computer-Aided Design (CAD); 2D/3D (AutoCAD/SolidWorks/ANSYS)
- Computer-Aided Engineering (CAE); Computational Fluid Dynamics (CFD), (ANSYS-Fluent)
- Programming, MATLAB, Simulink
- HVAC & HPAC system (Carrier, HAP4)

RESEARCH & PROFESSIONAL DEVELOPMENT

- Design and implementation of engine test rig based on a multi-cylinder common rail diesel engine at Brunel university engine laboratory
  Using VW 2.0 L TDI Common Rail diesel engine (Industrial version; CJDA 475 NE)
  Engine instrumentation in corporation with Marshalls Industrial Ltd
  Dealing with Ross-Tech LLC for engine diagnostic software (VCDS) Diagnostic via direct CAN (HEX-CAN USB), signal reading, high speed data logging — 2015

- Implementation of a comprehensive CAI combustion experimental test rig based on Two-stroke cycle engine; Emission, Performance and combustion characteristics improvement by applying CAI combustion strategy; Experimental study, simulation and optimization by GT-Power and FLUENT. — 2010-2014

- Powertrain advisor in UTM FSAE Team. Responsible for engine performance test, Engine mapping (Flex-ECU, MoTeC) and design of engine's intake manifold and intake restrictor. — 2012-2013

- Operation and fault diagnosis of a roller chassis dynamometer (AC 70kW, DYNOmite) and an engine chassis dynamometer (Eddy Current 370kW, DYNOmite) — 2013

- Evaluation of Garden Tools Set and Its Performance Characteristics. — 2013

- Effects of Maintaining Engine Air Intake Temperature on Its Performance and Emissions. — 2013

- Development of a Small Unmanned Aerial Vehicle (SUAV) — 2013

- Product Development of e-Tuk 2, Perodua (Small electric vehicle) — 2013

- Evaluation and CFD simulation study of compressible flow through the micro scale nozzle; FLUENT and GAMBIT. — 2007-2009

- Retrofitting of an In-line four cylinder SI, PFI engine to be used for CNG fuel. — 2005-2006

Amin Mahmoudzadeh Andwari

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PATENT

- **An Exhaust Gas Recirculation System For A Two Stroke Cycle Engine** (Registered Intellectual Property in connection with Automotive Development Centre, Universiti Teknologi Malaysia, Patent No: PI 2015700505) 2014

AWARDS

- **Best Postgraduate Student Award** 2014

  The Best Postgraduate Student Award for 2014/2015 Session. This award has been given in conjunction with UTM 53st Convocation Ceremony 2014.

- **Best Paper Award** 2016

  The Best paper presented at International Conference on Automotive Innovation and Green Energy Vehicle (AiGEV 2016), Malaysia Automotive Institute (MAI), Cyberjaya, 2-3 Aug 2016

- **Best Paper Award** 2013

  The outstanding paper presented at the 6th International Meeting on Advanced Thermo-fluids (IMAT-2013), National University of Singapore (NUS), 18-19 Nov 2013

- **International Doctoral Fellowship (IDF) award**, University Technology Malaysia (Five times) 2010-2013

- **Ranked 3rd** in Azad University M.Sc. Entrance exam 2006

PUBLICATIONS/PRESENTATIONS

EDITORSHIP

- Guest Editor for Special Issue on "*Mechanical Engineering*", Journal of Engineering, Hindawi Publishing Corporation. 2015

BOOK

- **Book Chapter:** 2016

  Green Technology, Energy Efficiency And Sustainability (ISBN 978-602-73928-5-4); Chapter 5, "Application and Effect of Controlled Auto-Ignition Combustion (CAI) In An Air-Cooled Two-Stroke Spark-Ignition Engine", UPP Press, Malaysia, 2016.

- **Book Chapter:** 2015

  Energy Performance & And Efficiency In Automotive Technology (ISBN 978-983-52-1038-9); Chapter 4, "Pre-Cooled Of Engine Air Intake Temperature On Its Performance And Emissions", UTM Press, Malaysia, 2015.

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JOURNAL PAPERS

- A. K. Kontakiotis, A.Pesiridis, **A. M. Andwari**, S. Russo, R. Tuccillo, and V. Esfahanian. "*Application of Micro Gas Turbine in Range Extender Hybrid Vehicles*", **Energy (ISSN: 0360-5442), Accepted, In Press, (ISI, IF=4.52, Q1, Elsevier)** 2017

- **A. M. Andwari**, M. F. Muhamad Said, Azhar Abdul Aziz, V. Esfahanian, M. A. Idris, M. R. Mohd Perang, H. M. Jamil. "*Design and Simulation of a High-Pressure Gasoline Direct Injection (GDI) Pump for Engine Applications*", **Journal of Mechanical Engineering (JMechE) (ISSN: 1823-5514), Accepted, In Press. (Indexed in Elsevier Scopus)**. 2018

- **A. M. Andwari**, M. F. Muhamad Said. Azhar Abdul Aziz, V. Esfahanian, M. R. Ahmad Baker, M. R. Mohd Perang, H. M. Jamil. "*Model-Based Simulation of Fuel Pump Performance of a Gasoline Direct Injection (GDI) System",* **The Japan Society of Applied Electromagnetics and Mechanics (JSAEM), (ISSN: 0919-4452), Accepted, In Press. (Indexed in Elsevier Scopus)**. 2018

- **A. M. Andwari**, A. Pesiridis, V. Esfahanian, A. Salavati-Zadeh, A. K. Kontakiotis and V. Muralidharan "*A Comparative Study of the Effect of Turbocompounding and ORC Waste Heat Recovery Systems on the Performance of a Turbocharged Heavy-Duty Diesel Engine*", **Energies**, 2017, 10(8), 1087; doi:10.3390/en10081087. **(ISI, IF=2.262, Q1, MDPI)** 2017

- **A. M. Andwari**, A. Pesiridis, S. Rajoo, R. Martinez-Botas and V. Esfahanian. "*A Review of Battery Electric Vehicle Technology and Readiness Levels*", **Renewable and Sustainable Energy Reviews,** *Vol. 78(2017) pp 414-430, DOI: 10.1016/j.rser.2017.03.138***. (ISI, IF=8.050, Q1, Elsevier)** 2017

- **A. M. Andwari**, A. Pesiridis, A. K. Kontakiotis and V. Esfahanian "*Hybrid Electric Vehicle Performance with Organic Rankine Cycle Waste Heat Recovery System*", **Applied Sciences**, 2017, 7(5), 437; doi:10.3390/app7050437. **(ISI, IF=1.679, Q2, MDPI)** 2017

- **A. M. Andwari**, Azhar Abdul Aziz, M. F. Muhamad Said, Z. A. Latiff, S. N. Mohamad Said. "*The Effect of Internal and External EGR on Cyclic Variability and Emission of a Spark Ignition Two-Stroke Gasoline Engine*", **JOURNAL OF MECHANICAL ENGINEERING AND SCIENCES (ISSN: 2289-4659), Accepted, In Press. (Indexed in Elsevier Scopus)** 2017

- A. J. Feneley, A. Pesiridis and **A. M. Andwari**. "*Variable Geometry Turbocharger Technologies for Exhaust Energy Recovery and Boosting-A Review*", **Renewable and Sustainable Energy Reviews**, *Vol. 71(2017) pp 959-975,DOI: 10.1016/j.rser.2016.12.125***. (ISI, IF=8.050, Q1, Elsevier)** 2016

- **A. M. Andwari**, Azhar Abdul Aziz, M. F. Muhamad Said and Z. A. Latiff. "*Experimental Investigation of the Influence of Internal and External EGR on the Combustion Characteristics of a Controlled Auto-Ignition Two-Stroke Cycle Engine*", **Applied Energy**, *Vol. 165 (2014), pp 1-10, DOI: 10.1016/j.apenergy.2014.08.006***. (ISI, IF=7.182, Q1, Elsevier)** 2014

- **A. M. Andwari**, Azhar Abdul Aziz, M. F. Muhamad Said, Z. A. Latiff, "*An Experimental Study on the Influence of EGR Rate and Fuel Octane Number on the Combustion Characteristics of a CAI Two-Stroke Cycle Engine*", **Applied Thermal Engineering** *Vol. 71 (2014), pp 248-258, DOI*: 10.1016/ j.applthermaleng.2014.06.062. **(ISI, IF=3.356, Q1, Elsevier)** 2014

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- S. E. Hosseini, **A. M. Andwari,** M. A. Wahid, G. Bagheri. "*A review on green energy potentials in Iran*", **Renewable and Sustainable Energy Reviews,** *Vol. 27(2013) pp 533-545,DOI: 10.1016/j.rser.2013.07.015***. (ISI, IF=8.050, Q1, Elsevier)** 2013

- M. F. Muhamad Said, Azhar Abdul Aziz, Z. A. Latiff, **A. M. Andwari** and S. N. Mohamed Soid. "*Investigation of Cylinder Deactivation (CDA) Strategies on Part Load Conditions*", SAE Technical Paper, 2014-01-2549. (**SAE International)** 2014

- **A. M. Andwari**, Azhar Abdul Aziz, M .F. Muhamad Said and Z. A. Latiff, A. Ghanaati. "*Influence of Hot Burned Gas Utilization on The Exhaust Emission Characteristics of A Controlled Auto-Ignition Two-Stroke Cycle Engine*", **International Journal of Automotive and Mechanical Engineering**, Vol 11 (2015), pp 2396-2404,DOI: http://dx.doi.org/10.15282/ijame.11.2015.20.0201. **(Indexed in Elsevier Scopus)** 2015

- A. Ghanaati, M. F. Muhamad Said, Intan Z. Mat Darus and **A. M. Andwari**. "*A Mean Value Model For Estimation Of Laminar And Turbulent Flame Speed In Spark Ignition Engine*", **International Journal of Automotive and Mechanical Engineering**, Vol 11 (2015), pp 2224-2234,DOI: http://dx.doi.org/10.15282/ijame.11.2015.20.0201**. (Indexed in Elsevier Scopus)** 2015

- A. Ghanaati, M. F. Muhamad Said, Intan Z. Mat Darus and **A. M. Andwari** "*A New Approach for Ignition Timing Correction in Spark Ignition Engines Based on Cylinder Tendency to Surface Ignition*", **Applied Mechanics and Materials**, *Vol. 819 (2016) pp 272-276, DOI:10.4028, www.scientific.net/AMM.819.272.* **(Indexed in Elsevier Scopus)** 2015

- **A. M. Andwari**, Azhar Abdul Aziz, M. F. Muhamad Said and Z. A. Latiff. "*A Converted Two-Stroke Cycle Engine For Compression Ignition Combustion*", **Applied Mechanics and Materials**, *Vol. 663 (2014) pp 331-335, DOI:10.4028, www.scientific.net/AMM.663.331***. (Indexed in Elsevier Scopus)** 2014

- **A. M. Andwari**, Azhar Abdul Aziz, M. F. Muhamad Said and Z. A. Latiff. "*Controlled Auto-Ignition (CAI) Combustion In A Two-Stroke Cycle Engine Using Hot Burned Gases*", **Applied Mechanics and Materials**, *Vol. 388 (2013) pp 201-205, DOI:10.4028, www.scientific.net/AMM.388.201.* **(Indexed in Elsevier Scopus)** 2013

- **A. M. Andwari**, Azhar Abdul Aziz. "Homogenous Charge Compression Ignition (HCCI) Technique: *A Review for Application in Two-Stroke Gasoline Engines*", **Applied Mechanics and Materials**, *Vol. 165 (2012) pp 53-57, DOI:10.4028, www.scientific.net/AMM.165.53.* **(Indexed in Elsevier Scopus)** 2012

CONFERENCES

- **A. M. Andwari**, M. F. Muhamad Said. Azhar Abdul Aziz, V. Esfahanian, M. R. Ahmad Baker, M. R. Mohd Perang, H. M. Jamil. "*Model-Based Simulation of Fuel Pump Performance of a Gasoline Direct Injection (GDI) System*", 2nd International Conference on Sustainable Mobility, Kuala Lumpur, Malaysia, 12-13 July 2017. 2017

- **A. M. Andwari**, M. F. Muhamad Said, Azhar Abdul Aziz, V. Esfahanian, M. A. Idris, M. R. Mohd Perang, H. M. Jamil. "*Design and Simulation of a High-Pressure Gasoline Direct Injection (GDI) Pump for Engine Applications*", 2nd International Conference on Sustainable Mobility, Kuala Lumpur, Malaysia, 12-13 July 2017. 2017

- **A. M. Andwari**, Azhar Abdul Aziz, M. F. Muhamad Said, Z. A. Latiff, S. N. Mohamad Said. "*The Effect of Internal and External EGR on Cyclic Variability and Emission of a Spark Ignition Two-Stroke Gasoline Engine*", International Conference on Automotive Innovation and Green Energy Vehicle (AiGEV 2016), Cyberjaya, Malaysia, 2-3 Aug 2014. 2016

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- **A. M. Andwari**, Azhar Abdul Aziz, M. F. Muhamad Said, Z. A. Latiff and A. Ghanaati. "*Influence of Hot Burned Gas Utilization on The Exhaust Emission Characteristics of A Controlled Auto-Ignition Two-Stroke Cycle Engine*", 1st International Conference on Automotive Innovation and Green Energy Vehicle (AiGEV 2014), Kuantan, Pahang, Malaysia, 2014. 2014

- **A. M. Andwari**, Azhar Abdul Aziz, M. F. Muhamad Said and Z. A. Latiff, A. Ghanaati. "*Simulation validation of Hot Burned Gas Influences on the Exhaust Emission Characteristics of A Two-Stroke Cycle Engine*", 7th International Meeting on Advanced Thermo-fluid-IMAT 2014, Kuala Lumpur, Malaysia, 2014. 2014

- M. F. Muhamad Said, Azhar Abdul Aziz, Z. A. Latiff, **A. M. Andwari** and S. N. Mohamed Soid. "*Investigation of Cylinder Deactivation (CDA) Strategies on Part Load Conditions*", SAE 2014 International Powertrain, Fuels & Lubricants Meeting, Birmingham, United Kingdom, 2014. 2014

- A. Ghanaati, M. F. Muhamad Said, Intan Z. Mat Darus and **A. M. Andwari**. "*A Mean Value Model For Estimation Of Laminar And Turbulent Flame Speed In Spark Ignition Engine*", 1st International Conference on Automotive Innovation and Green Energy Vehicle (AiGEV 2014), Malaysia, 2014. 2014

- A. Ghanaati, M. F. Muhamad Said, Intan Z. Mat Darus and **A. M. Andwari** "*A New Approach for Ignition Timing Correction in Spark Ignition Engines Based on Cylinder Tendency to Surface Ignition*", 7th International Meeting on Advanced Thermo-fluid-IMAT 2014, Kuala Lumpur, Malaysia, 2014. 2014

- **A. M. Andwari**, Azhar Abdul Aziz, M. F. Muhamad Said and Z. A. Latiff. "*A Converted Two-Stroke Cycle Engine For Compression Ignition Combustion*", 2th International Conference on Recent Advances in Automotive Engineering & Mobility Research, 16th-18th December 2013, Kuala Lumpur, Malaysia. 2013

- **A. M. Andwari**, Azhar Abdul Aziz, M. F. Muhamad Said, Z. A. Latiff and M.R. Mohd Perang. "*A Technique of Minimizing Low-Load Misfiring Occurrence in Two- Stroke Cycle Engine*", 6th International Meeting on Advanced Thermo-fluid-IMAT 2013, 18th-19th November 2013, National University of Singapore, Singapore. 2013

- M. R. Mohd Perang, Azhar Abdul Aziz, Z. A. Latiff, **A. M. Andwari**, Henry Nasution, H. M. Jamil, M. N. Misseri. "*The Effects of Maintaining Constant Engine Air Intake Temperature on Its performance and Emission*", 12th International Conference on sustainable energy technologies. Hong Kong, China (26th-29th August), SET-2013. 2013

- **A. M. Andwari**, Azhar Abdul Aziz, M. F. Muhamad Said and Z. A. Latiff. "*Controlled Auto-Ignition (CAI) Combustion In A Two-Stroke Cycle Engine Using Hot Burned Gases*", 5th International Meeting on Advanced Thermo-fluid, IMAT-2012, November 2012, Indonesia. 2012

- **A. M. Andwari** and Azhar Abdul Aziz. "*Homogenous Charge Compression Ignition (HCCI) Technique: A Review for Application in Two-Stroke Gasoline Engines*", Regional Conference on Automotive Research (ReCAR), 14th-15th December 2011, Kuala Lumpur, Malaysia. 2011

- Azadnia. A. H, Muhamad Zameri. M.S, Wong. K. Y and **A. M. Andwari.** "*A general framework of a reference information system model for e-flexible supply chains in small and medium enterprises*", The First Iranian Student Scientific Conference in Malaysia, 9th-10th April 2011, University Putra Malaysia, Kuala Lumpur, Malaysia. 2011

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STUDENT SUPERVISIONS

Ph.D. Students

- Adam Feneley, "Turbocharger Aero-thermal Design and Heat Transfer Optimization under Realistic Engine Conditions for Low Carbon Vehicles"; Centre for Advanced Powertrain and Fuels Research (CAPF), Department of Mechanical Engineering, Brunel University London, UK — 2015 Ongoing
- Fuhaid Alshammari, "Design of Waste Heat Recovery Turbines for Internal Combustion Engines"; Centre for Advanced Powertrain and Fuels Research (CAPF), Department of Mechanical Engineering, Brunel University London, UK — 2015 Ongoing
- Ali Ghanaati, "Adaptive Model Based Spark Advance Control for Anonymous Fuel and Engine Actuators"; Faculty of Mechanical Engineering, Universiti Teknologi Malaysia (UTM) — 2015 Ongoing

M.Sc. Students

- Dimitris Pantzopoulos, "Variable Geometry Turbine Design for Advanced Turbocharger Application"; Centre for Advanced Powertrain and Fuels Research (CAPF), Department of Mechanical Engineering, Brunel University London, UK — 2015 Completed
- Vinoth Srikumar, "Energy Recovery Systems for High Efficiency Internal Combustion Engines"; Centre for Advanced Powertrain and Fuels Research (CAPF), Department of Mechanical Engineering, Brunel University London, UK — 2015 Completed

B.Sc. Students

- Muhammad Rusydi B Ahmad Baker; Faculty of Mechanical Engineering, Universiti Teknologi Malaysia (UTM), "Development of a High Pressure Fuel Pump for Gasoline Direct Injection System for Small Engine Application" — 2016 Completed
- Mohamad Asmawi Bin Idris; Faculty of Mechanical Engineering, Universiti Teknologi Malaysia (UTM), "Design of High Pressure Fuel Pump for Gasoline Direct Injection (GDI) System for Use In Small Spark Ignition Engine" — 2016 Completed
- Hasbul Hadi Ishak; Faculty of Mechanical Engineering, Universiti Teknologi Malaysia (UTM), "Design of a New Combustion Chamber Geometry for a Single-Cylinder Air Cooled Gasoline Engine Fitted With Direct Injection Fueling System" — 2016 Completed
- Adnan AlQadasi; Faculty of Mechanical Engineering, Universiti Teknologi Malaysia (UTM), "A Study on Fuel Flow Spray Visualization In Terms Of Gasoline Direct Injection (GDI) Engine Using Constant Volume Chamber" — 2016 Ongoing

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AFFILIATIONS/MEMBERSHIPS

- Associate Member of Society of Automotive Engineers (SAE) 2011-Present
  Membership No: 6133011261
- Member of American Society of Mechanical Engineers (ASME) 2011-Present
  Membership No: 100141914
- Associate Member of Institution of Mechanical Engineers (AMIMechE) 2013-Present
  Membership Number: 80150434

REFERENCES

- Prof. Vahid Esfahanian, Director of Vehicle, Fuel and Environment Research Institute (VFERI), College of Engineering, University of Tehran, E-mail: evahid@ut.ac.ir
- Prof. Hua Zhao, Vice-Dean Research/Theme Leader for Advanced Engines and Biofuels, Centre for Advanced Powertrain and Fuels Research (CAPF), Room: H109, Brunel University London, Uxbridge, UB8 3PH, UK, E-mail: Hua.Zhao@brunel.ac.uk
- Dr. Apostolos Pesiridis, Senior Lecturer-Theme Leader (Turbomachinery), Centre for Advanced Powertrain and Fuels. Course Director, MSc Course in Automotive and Motorsport Engineering & UG Course in Automotive Engineering, Room: H114, Brunel University London, Uxbridge, UB8 3PH, UK, E-mail: Apostolos.Pesiridis@brunel.ac.uk
- Prof. Alasdair Cairns, Director of Teaching & Learning, Chair of the UG BoE, Chair of the UG SSLC, Room: H127, Brunel University London, Uxbridge, UB8 3PH, UK, E-mail: Alasdair.Cairns@brunel.ac.uk
- Dr. Srithar Rajoo, Director at Centre for Low Carbon Transport in cooperation with Imperial College London, Faculty of Mechanical Engineering, Universiti Teknologi Malaysia (UTM), 81310, Skudai, Johor, Malaysia, E-mail: srithar@fkm.utm.my