
Editorial

Hakan Serhad Soyhan*

Department of Mechanical Engineering,
Sakarya University,
Esentepe 54187, Sakarya, Turkey
E-mail: hsoyhan@sakarya.edu.tr
E-mail: hsoyhan@hotmail.com
*Corresponding author

Cem Soruşbay

Faculty of Mechanical Engineering,
Istanbul Technical University,
Gumussuyu 34439, Istanbul, Turkey
E-mail: sorusbay@itu.edu.tr

Gautam Kalghatgi

Shell Global Solutions (UK),
Shell Technology Centre Thornton,
P.O. Box 1, Chester, CH1 3SH, UK
and
Saudi Aramco,
P.O. Box 62, Dhahran 31311, Saudi Arabia
E-mail: Gautam.kalghatgi@aramco.com

Biographical notes: Hakan Serhad Soyhan is a member of the Department of Mechanical Engineering, Sakarya University since 1992. He received his BEng (1992), MSc (1995) and PhD (2000) from Istanbul Technical University, and did post-doctoral research in chemical kinetics at the Combustion Physics Division at Lund University in Sweden and on HCCI engines and chemical kinetics at Shell Global Solutions in Chester, UK. Currently, he has been working on combustion modelling studies in relation to emission reduction and control of emissions from transportation as an Associate Professor in the Engineering Faculty at Sakarya University. He is the Head of Local Energy Research Association and a member of associates in the Turkish Society of Mechanical Engineers as well as in the ASME ICE section.

Cem Soruşbay is a member of the Faculty of Mechanical Engineering, Istanbul Technical University since 1979 and chaired the Automotive Division for seven years. He has received his BSc degree from the University of Manchester (1975) and his PhD degree from Istanbul Technical University (1985). His research interest includes internal combustion engines and modelling of combustion process. He has worked as a Scientist at the University of Sheffield in England and Clean Energy Research Institute in Florida, USA on conventional and alternative fuel technologies for IC engines. He is currently been working on combustion modelling studies in relation to emission reduction and control of greenhouse gas emissions from transportation.

Gautam Kalghatgi joined Saudi Aramco in 2010 after 31 years with Shell Research Ltd. in the UK. He has over a hundred external publications on combustion, fuels and engine research. He received his BTech degree from I.I.T. Bombay (1972) and PhD from Bristol University (1975) in Aeronautical Engineering and from 1975–1979, and did post-doctoral research in turbulent combustion at Southampton University. He is a Fellow of the SAE and I.Mech.E. He has been an Adjunct/part-time/Visiting Professor at KTH, Stockholm/Technical University, Eindhoven/Sheffield University and is on the editorial boards of the *International Journal of Engine Research*, *Journal of Automobile Engineering* and *Journal of Fuels and Lubricants (SAE)*.

This special issue of *IJAP* is devoted to the Fuels and Combustion in Engines Conferences (FCE, <http://www.fce.sakarya.edu.tr>), which was held in Istanbul Technical University, Istanbul, Turkey in 2009. These conferences will be held every two years and aim to exchange technical information and research results and promote research and education that will help to solve current and future challenges in fuels and engine combustion. After the success of first FCE in 2008, a subsequent FCE conference was held by Istanbul Technical University and Sakarya University in 2009. They attracted participants from universities, research institutes, government and industry.

Future FCE conferences will also be held in Istanbul, a city uniting two continents with different cultures and civilisations, from the ancient Greek, Roman, and Ottoman Empires to the modern Republic of Turkey. Thus, it has always played an important role as a city of culture and power in history.

We are pleased to invite you to join us as participants from academia and industry to take part and exchange knowledge in next FCE conferences.

Acknowledgements

As guest editors of this special issue of the *IJAP*, the authors thank the Editor-in-Chief of *IJAP*, Dr. Dorgham, for providing the opportunity to publish this special issue. We also thank the authors for their contributions, and the reviewers for their help in bringing this issue to its current form. We are grateful in this regard to the reviewers who helped us during the reviewing process and selection of the papers. FCE conferences were supported by ‘Sakarya University Scientific Research Foundation’ and sponsors. We are grateful to all of the support from SHELL Research Center (UK), TUPRAS (Turkish Petroleum Refineries Co.) and OMV Petrol Ofisi Co. (Turkey).