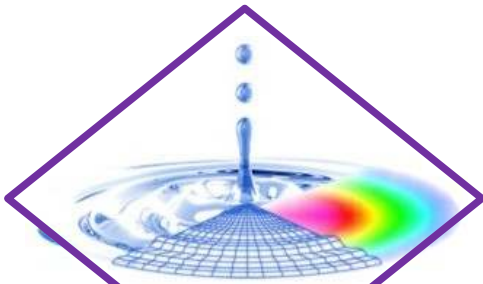


Description of the center:

The purpose of the Center of Experimental and Computational Fluid Mechanics (CECFM) of INTI International University is to promote fundamental research and disseminate knowledge on the experimental and computational study of fluid flow. The CECFM also aims at promoting fundamental research on the basic knowledge and application of fluids in the area of engineering. The group is planning to collaborate with industry, through consultancy, research and continuing education courses. The center hosts a wide variety of research projects in this area. The focus of the area includes analytical, computational and experimental study of fluid flow and heat transfer in renewable energy systems, micro/nano-scale technologies and entropy-based optimization of thermofluids processes.



RESEARCH MEMBERS

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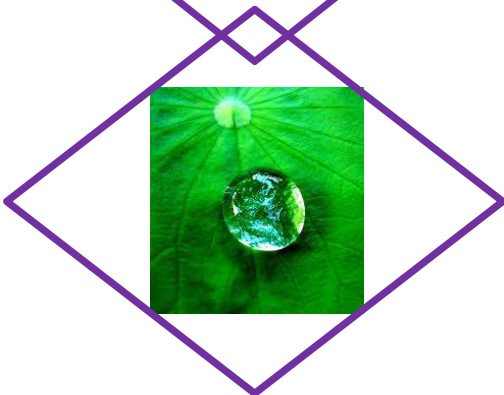
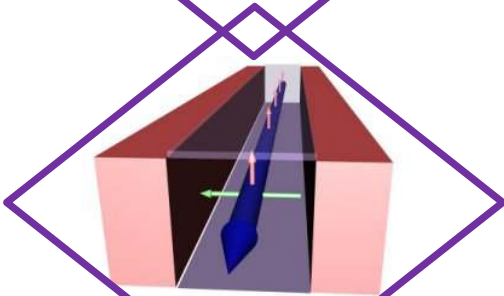
RESEARCH COLLABORATORS

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SELECTED PUBLICATIONS

[1] Shaharin A. Sulaiman, Blythe K. Biga, Girma T. Chala, "Injection of non-reacting gas into production pipelines to ease restart pumping of waxy crude oil", *Journal of Petroleum Science and Engineering*, pp1-6, 2017

[2] Girma T. Chala, A. Rashid, A. Aziz, and Fitwi. Y. Hagos, "Combined Effect of Boost Pressure and Injection Timing on the Performance and Combustion of CNG in Direct Injection Compressed Natural Gas Spark Ignition Engine", *International Journal of Automotive Technology*, 18: 85-96, 2017.



[3] Girma T. Chala, S.A. Sulaiman, A. Japper-Jaafar, and W.A. Kamil, "Effects of Cooling Regime on the Formation of Voids in Statically Cooled Waxy Crude Oil", *International Journal of Multiphase Flow*, 77: 187-195, 2015.

[4] K.H. Chuah, K. Saito, Y. Hashiba, H. Gotoda, and F. Williams. A Spectrally Resolved Imaging Method for Investigating Alcohol Pool Fires. *Combustion Science and Technology*, 188: 277-289, 2015.

[5] M. Ghasemi, W.R.Wan, J. Alam, H. Ilbeygi, M. Sedighi, A. Ismail, M. H. Yazdi, Carbon nanotube/Polypyrrole nanocomposite as a novel cathode catalyst for Pt in microbial fuel cell, *International Journal of Hydrogen Energy*, 2015.