



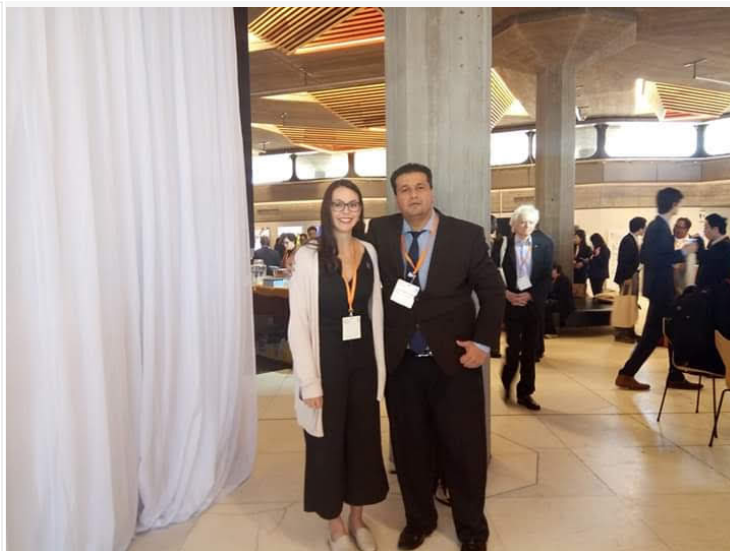
THE TECHNICAL UNIVERSITY OF KENYA

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NAME: PROF SAMEER JAFFER HAMEER

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|----------------------|--|
| Faculty: | ENGINEERING AND THE BUILT ENVIRONMENT |
| School: | MECHANICAL AND MANUFACTURING ENGINEERING |
| Department: | AERONAUTICAL AND AIRCRAFT ENGINEERING |
| Current Designation: | Associate Professor, DEPARTMENT OF MECHANICAL AND AEROSPACE ENGINEERING (DMAE) |
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EDUCATION

| LEVEL | QUALIFICATION NAME | INSTITUTION | YEAR |
|----------------------------|------------------------------------|--|------|
| Doctor of Philosophy (PhD) | AEROSPACE ENGINEERING | GEORGIA INSTITUTE OF TECHNOLOGY(United States) | 2010 |
| Masters of Science (M.Sc.) | AEROSPACE ENGINEERING | GEORGIA INSTITUTE OF TECHNOLOGY(United States) | 2005 |
| Bachelor of Science (BSc) | ELECTRICAL ENGINEERING | GEORGIA INSTITUTE OF TECHNOLOGY(United States) | 2003 |
| O level/Equivalent | CERTIFICATE OF SECONDARY EDUCATION | INTERNATIONAL SCHOOL OF TANGANYIKA(Tanzania) | 1998 |

WORK EXPERIENCE

| PERIOD | INSTITUTION | POSITION |
|----------------|-----------------------------------|---------------------|
| 2018 - To Date | The Technical University of Kenya | ASSOCIATE PROFESSOR |

SELECTED PUBLICATIONS

| TITLE | LINK TO PUBLICATION | YEAR |
|---|-----------------------------|------|
| Wagaw, K., Gabbiye, N., Hameer, S.: Anaerobic Co-digestion of Cafeteria Leftover Food and Toilet Wastes for Biogas Production, Manuscript submitted to AIMS Energy, Manuscript number Energy 2018017, Feb 2018. | View online | |
| Hameer, S., Gabbiye, N., Yayu, N., Ejigu, N., Wudineh, K., Wagaw, K.: A Prospective Review of Renewable Energy Developments in Ethiopia. Manuscript submitted to AIMS Energy, Manuscript number Energy 2018018, Feb 2018. | View online | |
| Zelege Ademe, Sameer Hameer. Design, construction and performance evaluation of a Box type solar cooker with a glazing wiper mechanism. AIMS Energy, 2018, 6(1): 146-169. doi: 10.3934/energy.2018.1.146. | View online | |
| Kichonge, B., Mkilaha, I., John, G. Hameer, S.: The Economics of Renewable Energy Sources into Electricity Generation, Journal of Energy, Hindawi, Volume 2016, Article ID 5837154, 8 pages. | View online | |
| Hameer, S., van Niekerk, J.L.: A Novel Methodology for Comparing Thermal Energy Storage to Chemical and Mechanical Energy Storage Technologies of Electricity. International Journal for Research in Electrical Engineering, Vol. 1 Issue 1, November 2015. | View online | |
| Hameer, S., van Niekerk, J.L.: Thermodynamic Modelling of Molten Salt Thermal Energy Storage System. International Journal of Scientific Research and Innovative Technology, ISSN: 2313-3759, Vol. 2 No. 10, October 2015. | View online | |
| Hameer, S., van Niekerk, J.L.: A review of large-scale electrical energy storage. International Journal of Energy Research, Volume 39, pp. 1179-1195, February 2015. | View online | |
| Kichonge, B., John, G., Mkilaha, I., Hameer, S.: Modelling of Future Energy Demand for Tanzania, Journal of Energy Technologies and Policy, Volume 4(7), 2014. | View online | |
| Nkhonjera, L., Hameer, S., Kosamu, I. B. M.: Towards sustainable energy utilization: An analysis of various cooking fuel options in Malawi, Journal of Mechanical Engineering Research, Volume 5(3), pp. 68-75, March 2013. | View online | |
| Lujaji, F., Hameer, S., John, G., Bereczky, A., Mbarawa, M.: Experimental investigation of NOx emission on croton oil- 1-butanol-diesel in compression ignition (CI) engine, Journal of Mechanical Engineering Research, Volume 5(6), pp. 112- 122, September 2013. | View online | |
| A COMPARATIVE STUDY AND APPLICATION OF CONTINUOUSLY VARIABLE TRANSMISSION TO A SINGLE MAIN ROTOR HEAVY LIFT HELICOPTER | View online | |
| Research Gate | View online | |
| Google Scholar | View online | |
| SCOPUS INDEX | View online | |
| American Helicopter Society Competition Second Place | View online | |
| Solar Water Heating Thermal Performance Test using an Outdoor Test Method | View online | |

PROFESSIONAL AFFILIATIONS AND SOCIETIES

| TITLE | INSTITUTION |
|-----------------------|---------------------------------|
| AAS AFFILIATE | THE AFRICAN ACADEMY OF SCIENCES |
| PROFESSIONAL ENGINEER | ENGINEERS BOARD OF KENYA |