



Imam Mohammad Ibn Saud Islamic University

College of Engineering

Faculty Information

Personal Information: معلومات عضو هيئة التدريس		Personal Photo
Name الاسم	Prof. Dr. Ahmed Salih Alsowayan أ.د. أحمد بن صالح بن محمد الصويان	
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Education	Ph.D. الدكتوراه	Ph.D. in Mechanical Engineering, Michigan State University East Lansing, USA, 1999
	Master's Degree الماجستير	M.S. in Mechanical Engineering, Western Michigan University Kalamazoo, USA, 1995
	Bachelor's Degree البكالوريوس	B.S. in Mechanical Engineering, King Saud University, 1989
Current Academic Position المنصب العلمي		Professor أستاذ
Current Academic Department القسم العلمي		Mechanical Engineering الهندسة الميكانيكية
Research interest الاهتمامات البحثية		Heat transfer enhancement Computational fluid dynamics (CFD) Nanofluids and hybrid nanofluids Magnetohydrodynamics (MHD) Thermal systems and energy engineering Solar energy and solar thermal systems Renewable energy applications Non-Newtonian and viscoelastic fluid flow Membrane distillation and desalination Machine learning and artificial neural networks in thermal-fluid systems Thermodynamics and compressible flow systems Bio-convective and electroosmotic flows Polymer engineering and coating technologies Multiphase and two-layer nanofluid flows Energy efficiency and thermal management systems
Faculty website URL Google scholar		Ahmed S. Sowayan - Google Scholar