

**Ahmed M. El-Sherbeeny, Ph.D.**  
**Assistant Professor of Industrial Engineering**

Industrial Engineering Department  
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**CURRICULUM VITAE**  
**October 2020**

## **EDUCATION**

**Ph.D.**, West Virginia University (WVU), December '06

- Program: Scholarship as a Graduate Research and Teaching Assistant in Mechanical Engineering
- Research area: Machine Vision; Dissertation topic,  
“**Evaluation and Optimization of Central Vision Compensation Techniques,**”  
GPA: 3.43/4.0
- Member of the “WVU Minority Doctoral Fellowship Program,” Fall '05, Spring '06

**MSME**, (Master of Science in Mechanical Engineering), West Virginia University (WVU), May '01

- Program: Scholarship as a Graduate Research and Teaching Assistant in Mechanical Engineering
- Research area: Machine Vision; Master's thesis topics,  
“**A Non-Invasive Technique for Monitoring Miotic Eye Responses,**”  
GPA: 3.38/4.0

**Bachelor of Science**, The American University in Cairo (AUC), June '98

- Major: Mechanical Engineering (specializing in Design and Industrial Engineering); GPA: 3.31/4.0

**IGCSE**, (International General Certificate for Secondary Education), Misr Language School, June '93;  
GPA: 3.75/4.0

## **HIGHLIGHTS OF QUALIFICATIONS**

### **Work Experience**

- **Assistant Professor of Industrial Engineering**, King Saud University (KSU), Sep '10 – current

Teaching: - IE-341, “**Human Factors Engineering**”, Fall-'10 – current  
- IE-352, “**Manufacturing Processes – 2: Metal Cutting**”, Spring-'11 – current  
- IE-496/497, “**Senior Design Project**”, Fall-'10 – current  
- GE-105, “**Introduction to Engineering Design**”, Spring-'16 – current  
- IE-342, “**Work Analysis and Design**”, Spring-'17  
- IE-462, “**Industrial Information Systems**”, Fall-2018 – current

Research: - Cognitive Human Engineering and Engineering Education, Spring-'11 – current

Service: **College of Engineering:**

- Engineering College, **Alumni and Employment Unit, Head**, Aug '13 – Aug '18
- **Coordinator of the “2013 Arab-Gulf Cooperation Council (GCC) Countries Engineering Students Design Competition**”, Dec '12 – April '13
- College of Engineering Graduation Projects Committee, Member, Sep '10 – Aug '18

**Industrial Engineering Department:**

- Industrial Engineering Graduation Projects Committee, **Head**, Sep '10 – current

- Industrial Engineering Employment and Alumni Affairs Committee, *Head*, Sep '10 - current
- Industrial Engineering Department Committee, *Member*, Sep '10 – current
- Community Service and Continuous Education, *Member*, Sep '14 – Aug '19
- Industrial Engineering Quality and Accreditation Committee, *Member*, Sep '10 – Aug '14
- Industrial Engineering Strategic Plans Implementation Committee, *Member*, Sep '12 – Aug '15

- **Assistant Professor of Engineering**, Fahd Bin Sultan University (FBSU), Sep '09 – Aug '10

Administrative: **Interim Chairman** of the Mechanical Engineering Department, Sep '09 – Aug '10

Teaching: - **Fundamental Math** Courses for Engineering Students, Sep '09 – Aug '10

- **Fundamental Information Technology** Courses, Sep '09 – Aug '10

Service: - Engineering College Committee, member, Sep '09 – Aug '10

- Assisting with Foundation Year Program, administrative duties, Sep '09 – Aug '10

- Admissions Committee, member, Sep '09 – Aug '10

- **Assistant Professor of Engineering**, Al-Jouf University, Mar '08 – Sep '09

Teaching: - GE-104, "**Basics of Engineering Drawing - Manual Drawing and AutoCAD**", Fall '08, Spring '09

- GE-210, "**Engineering Mechanics (Statics and Dynamics)**", Fall '08, Spring '09

- ENGL-122, "**English Writing Skills**", Spring '08

Service: - **ABET** Accreditation Committee, *Head*, Spring '08 - Sep '09

- Quality Assurance and Academic Accreditation Unit, *College of Engineering Representative*, Mar '09 - Sep '09

- Quality Assurance and Public Relations Committee, College of Engineering, *Member*, Sep'08 - Sep '09

- Course Syllabi and Curricula International and National (KSA) Review Committee, *Head*: (Mechanical, Civil, Industrial, Electrical-Power and Communications- Engineering), May '08 - Sep '09

- Course Review and Precision Committee (Engineering), *Member*, Jan' 09 – Sep '09

- Faculty Recruitment (Engineering) Committee, *Member*, Feb' 09 - Sep '09

- **Post-Doctoral / Research Associate:**

**MARC-WVU** (Mid-Atlantic Retinal Consultants / West Virginia University - Ophthalmology), Feb '07 – July '07

Research on therapies for CNV-AMD (Choroidal Neovascularization due to Age-Related Macular Degeneration)

- **Academic Administration, WVU:**

**ABET** course material preparation, Engr-102, Engr-293: Fall '06, Spring '06, Fall '05, Smr-2 '02

Assistant **Course Coordinator**, Engr-293: Fall '06

Assistant Coordinator for Freshman Engineering Events: Fall '06

Member of Freshman Engineering **Advising Committee**: Smr-2 '06, Fall '06

Member of committee for **course development**, Engr-102, Engr-293: 2005 – 2006

- **Teaching Instructor (Lecturer / Adjunct Professor), WVU / PSC-WVU:**

Engr-293, WVU, "**Basics of Engineering**," Fall '06 (2 sections, approx. 130 students)

MAE-320, PSC-WVU (Potomac State College of WVU), "**Thermodynamics**," Spring '06

MAE-242, PSC-WVU, "**Dynamics**," Spring '06

Engr-102, WVU, "**Engineering Problem Solving – II (C / C++ / Matlab)**":

Semesters Taught (*six-year experience*): Smr-2 '06, Spr '06, Fall '05, Smr-2 '05, Spr '05, Smr-2 '04, Fall '03, Spr '03, Fall '02, Smr-2 '02, Fall '01, Smr-2 '01, Fall '00

Engr-101, WVU, “**Engineering Problem Solving – I**,” Smr-2 ‘05, Smr-2 ‘04, Smr-2 ‘03

Engr-101, PSC-WVU, “**Engineering Problem Solving – I**,” Fall ‘05

Engr-199, PSC-WVU, “**Orientation to Engineering**,” Fall ‘05

MAE-241, PSC-WVU, “**Statics**,” Fall ‘05

- **Graduate Teaching Assistant:**

Engr-102, WVU, “**Engineering Problem Solving – II**”; Spring ‘01, Spring ‘02

MAE-32, WVU, “**Introduction to Mechanical Engineering**,” Fall ‘99

MAE-41, WVU, “**Statics**,” Spring ‘99

MAE-42, WVU, “**Dynamics**,” Spring ‘99

- **Graduate Research Assistant:**

**LCSEE** (Lane Computer Science and Electrical Engineering Dept.), WVU, “**Automated Face Recognition Project**,”  
Dr. Hany Ammar, Dr. Gamal Fahmy, Dr. Lawrence Hornak, 2004 – 2006

**MAE** (Mech. and Aerospace Engr. Dept.), WVU, “**Contrawound Toroidal Helical Antenna**,” Dr. James E. Smith,  
Fall ‘98 - Smr-II ‘99

- **Engineering Intern**, GME (General Motors Egypt); Departments: Quality Control and Quality Assurance:  
Smr ‘95, Smr ‘96, Smr ‘97

### Funded Projects

- **Researchers Supporting Project (RSP-2020/133)**. Project funded by the Distinguished Scientist Fellowship Program (DSFP), King Saud University, Jan. 2020 – current.
- **Smart Manufacturing and Digitalization (RG-1440-047) – PI**. Project funded by the Deanship of Scientific Research, King Saud University, Nov. 2018 – current.
- **Human Engineering (RG-1438-054) – Co-PI**. Project funded by the Deanship of Scientific Research, King Saud University, Feb. 2017 - current.
- **Traffic Sign Evaluation and Redesign of Typeface in Saudi Arabia**, the Multidisciplinary Senior Design Project, Industrial Engineering and Civil Engineering Departments, College of Engineering, Spring ‘16 – Fall ‘16.
- **Design and Development of a Grip Force Training Device for the Rehabilitation of Neurologically Impaired Patients**, the Multidisciplinary Senior Design Project, College of Engineering and Biomedical Technology Department, College of Applied Medical Science, Fall ‘15 – Spring ‘16.
- **Designing, Establishing, and Supervising the College of Engineering at King Saud University, Alumni and Employment Website** (<http://coeksu-alumni.net/>), the College of Engineering, King Saud University, Aug. 2013 – Aug. 2018.
- **2013 Arab-Gulf Cooperation Council (GCC) Countries Engineering Students Design Competition**, Gulf Cooperation Council, King Saud University, 2012 – 2013.
- **Towards Establishing Technical Universities in the Kingdom of Saudi Arabia**, Ministry of Higher Education and King Saud University, Kingdom of Saudi Arabia, 2011.
- **Research on Choroidal Neovascularization due to Age-Related Macular Degeneration**, Mid-Atlantic Retinal Consultants and West Virginia University Department of Ophthalmology, 2007.
- **Automated Face Recognition System**, Lane Department of Computer Science and Electrical Engineering, West Virginia University, August 2003 – July 2005.
- **NOTAI (Non-Invasive Ocular Toxicity Assessment Instrument)**, Mechanical and Aerospace Engineering Department, West Virginia University, November ‘99 – January ‘02.

## Supervised Senior Design Projects and Graduate Studies

- Fahad Al-Shiddi, Sulaiman Al-Wasel, and Yazeed Al-Otaibi, “**Design and Evaluation of Warning Traffic Signs in KSA Roads,**” supervised by Woo-Hyung Park, PhD and Ahmed M. El-Sherbeeny, PhD, 2016-2017.
- Industrial Engineering Dept. Students: Faisal Al-Suhaibani, Ibrahim Al-Waiel; Civil Engineering Students: Abdullah Alhazzaa, Abdullah Alarifi, Ibrahim Alanzie, “**Traffic Sign Evaluation and Redesign of Typeface in Saudi Arabia,**” Multidisciplinary Senior Design Project, supervised by Woo-Hyung Park, PhD, Ahmed M. El-Sherbeeny, PhD, and Seongkwan Mark Lee, PhD (Civil Engineering Dept.), Spring 2016 – Fall 2016.
- Industrial Engineering Dept. Students: Saud Almutairi, Khaled Alfehaid, Nawaf Alhelali; Biomedical Technology Dept Students: Abdullah Alarfaj, Ali Algifari, Saleh Alkridees, Humod Albarrak, “**Design and Development of a Grip Force Training Device for the Rehabilitation of Neurologically Impaired Patients,**” Multidisciplinary Senior Design Project, supervised by Woo-Hyung Park, PhD, Ahmed M. El-Sherbeeny, PhD, and Mohamed Bendjaballah, PhD (Biomedical Technology Dept., College of Applied Medical Sciences), Fall 2015 – Spring 2016.
- Abdullah AlAraidh, Rakan AlAbdulhadi, and Anas AlMubarak, “**Design of Color Vision Deficiency Test,**” Senior Design Project, supervised by Ahmed M. El-Sherbeeny, PhD, 2014-2015.
- Hassan Alzahrani, Mohammad Alotibi, and Abdullah Alqahtani, “**Redesign of Long Saudi Arabian License Plate,**” Senior Design Project, supervised by Ahmed M. El-Sherbeeny, PhD, 2014-2015.
- Mohammed Al Hajj, “**Investigating the Effects of Watching 2D and 3D Displays from Different Distances on Visual Fatigue,**” Master’s Thesis, member of examination committee, April 2014.
- Muhannad AlBeyali, Omar Almansour, and Abdullah Abalkhail, “**Design and Development of an Ergonomic Cane,**” Senior Design Project, supervised by Ahmed M. El-Sherbeeny, PhD, 2013-2014.
- Mansure Bakalla, and Mohamed khan, “**Design and Testing of Foldable Electric Solar Bicycle,**” Senior Design Project, supervised by Ahmed M. El-Sherbeeny, PhD and Prof. Saeed Darwish, PhD, 2013.
- Mohammed AlBawardi, Meshal AlDosari, and Meshal AllUhaidan, “**Design and Manufacturing of a Mobility Assistance Mechanism for Handicapped Persons,**” Senior Design Project, supervised by Ahmed M. El-Sherbeeny, PhD and Prof. Saeed Darwish, PhD, 2012 – 2013.
- Riyadh AlSheikh, “**Task and Environment Effect on Lifting Capabilities While Wearing Safety Shoes,**” Doctorate, Head of Proposal Committee, November 2012.
- Ahmed Sultan Al Suhaibani, Hesham Mohammed Al Suhaibani, and Amjad Abdullah Al Suhaibani, “**Redesign of Saudi Arabian License Plate,**” Senior Design Project, supervised by Ahmed M. El-Sherbeeny, PhD, 2010 – 2011.
- Abdullah Al-Dossari, Hisham Al-Khenain, and Abdullah Al-Shoabi, “**Tricycle for Handicapped Persons,**” Senior Design Project, supervised by Ahmed M. El-Sherbeeny, PhD, 2010 – 2011.

## Computer Skills

- Computer Languages/Software, including *MATLAB, QBASIC, C, C++, FORTRAN*
- Computer Packages, including *AutoCAD, Adobe Photoshop, Microsoft Office software (Word, Excel, PowerPoint, Access)*

## Language Skills

- Excellent command of spoken and written English and Arabic

## PUBLICATIONS

### Book Chapters

- Ahmed Nadeem, **Ahmed M. El-Sherbeeny**, Mohammed M. Al-Harbi, Sheikh F. Ahmad. “**Pulmonary Oxidant–Antioxidant Dysregulation in Asthma.**” In: *Reactive Oxygen Species in Biology and Human Health* (Shamim A, ed). Taylor & Francis, CRC Press, UK (2016, In Press)

**Journal Articles**

- Sk. Md. Ali Ahsan, Shamim Mahbub, Md. Anamul Hoque, Mohammed Abdullah Khan, Dileep Kumar, Javed Masood Khan, **Ahmed M. El-Sherbeeny**. **Influence of electrolytes on the cloud point phenomenon of tween-80+lomefloxacin hydrochloride mixtures and their thermodynamic parameters**. *Journal of Molecular Liquids* 2020;318:113999.
- Mostafa R. Abukhadra, Alyaa Adlii, **Ahmed M. El-Sherbeeny**, et al. **Promoting the decontamination of different types of water pollutants (Cd<sup>2+</sup>, safranin dye, and phosphate) using a novel structure of exfoliated bentonite admixed with cellulose nanofiber**. *Journal of Environmental Management* 2020;273:111130. (ISI Impact Factor: 5.647)
- Mostafa R. Abukhadra, Merna Mostafa, **Ahmed M. El-Sherbeeny**, et al. **Effective transformation of waste sunflower oil into biodiesel over novel K<sup>+</sup> trapped clay nanotubes (K<sup>+</sup>/KNTs) as a heterogeneous catalyst; response surface studies**. *Microporous and Mesoporous Materials* 2020;306:110465. (ISI Impact Factor: 4.551)
- Mostafa R. Abukhadra, Aya S. Mohamed, **Ahmed M. El-Sherbeeny**, et al. **Synthesis of exfoliate bentonite/cellulose nanocomposite as a delivery system for Oxaliplatin drug with enhanced loading and release properties; cytotoxicity and pharmacokinetic studies**. *Chemical Physics Letters* 2020;755:137818. (ISI Impact Factor: 2.029)
- Mostafa R. AbuKhadra, Mohamed Gameel Basyouny, Ali A. AlHammadi, **Ahmed M. El-Sherbeeny**, et al. **Enhanced decontamination of levofloxacin as toxic pharmaceutical residuals from water using CaO/MgO nanorods as a promising adsorbent**. *Scientific Reports* 2020;10:14828 (ISI Impact Factor: 3.998)
- Mostafa R. Abukhadra, Samar Mohamed Alia, **Ahmed M. El-Sherbeeny**. **Effective and environmental retention of some radioactive elements (U (VI), Sr (II), and Ba (II)) within bentonite/zeolite hybrid structure; equilibrium and realistic study**. *Inorganic Chemistry Communications* 2020;119:108053. (ISI Impact Factor: 1.943)
- Mostafa R. AbuKhadra, Mohamed Gameel Basyouny, **Ahmed M. El-Sherbeeny**, et al. **Transesterification of commercial waste cooking oil into biodiesel over innovative alkali trapped zeolite nanocomposite as green and environmental catalysts**. *Sustainable Chemistry and Pharmacy* 2020;17:100289. (ISI Impact Factor: 3.294)
- Mohamed A. Mohamed, Hossein Chabok, Emad Mahrous Awwad, **Ahmed M. El-Sherbeeny**, et al. **Stochastic and distributed scheduling of shipboard power systems using M $\theta$ FOA-ADMM**. *Energy* 2020;206,118041. (ISI Impact Factor: 6.082)
- Mostafa R. Abukhadra, Aya S. Mohamed, **Ahmed M. El-Sherbeeny**, et al. **Sonication induced transesterification of castor oil into biodiesel in the presence of MgO/CaO nanorods as a novel basic catalyst: Characterization and optimization**. *Chemical Engineering & Processing: Process Intensification* 2020;154:108024. (ISI Impact Factor: 3.731)
- Mostafa R. Abukhadra, Mohamed Gameel Basyouny, **Ahmed M. El-Sherbeeny**, et al. **The effect of different green alkali modification processes on the clinoptilolite surface as adsorbent for ammonium ions; characterization and application**. *Microporous and Mesoporous Materials* 2020;300:110145. (ISI Impact Factor: 4.551)
- Al-Harbi NO, Nadeem A, Ahmad SF, Saleh A Bakheet, **Ahmad M Elsherbeeny**, et al. **Therapeutic treatment with Ibrutinib attenuates imiquimod-induced psoriasis-like inflammation in mice through downregulation of oxidative and inflammatory mediators in neutrophils and dendritic cells**. *Eur J Pharmacol.* 2020;877:173088. (ISI Impact Factor: 3.263)
- Lan Yang, Zhenhua Yu, Mohammed A. El-Meligy, **Ahmed M. El-Sherbeeny**, et al. **On Multiplexity-Aware Influence Spread in Social Networks**. *IEEE Access* 2020;8:106705-106713. (ISI Impact Factor: 3.745)
- Mohamed A. Mohamed, Emad Mahrous Awwad, **Ahmed M. El-Sherbeeny**, et al. **Optimal scheduling of reconfigurable grids considering dynamic line rating constraint**. *IET Generation, Transmission & Distribution* 2020;14:1862-1871. (ISI Impact Factor: 2.862)

- Mostafa R. Abukhadra, Nermen M. Refay, **Ahmed M. El-Sherbeeny**, et al. **Insight into the Loading and Release Properties of MCM-48/Biopolymer Composites as Carriers for 5-Fluorouracil: Equilibrium Modeling and Pharmacokinetic Studies.** *ACS Omega* 2020;5:11745–11755. (ISI Impact Factor: 2.87)
- Mostafa R. AbuKhadra, Aya S. Mohamed, **Ahmed M. El-Sherbeeny**, et al. **Enhanced photocatalytic degradation of acephate pesticide over MCM-41/Co<sub>3</sub>O<sub>4</sub> nanocomposite synthesized from rice husk silica gel and Peach leaves.** *Journal of Hazardous Materials* 2020;389:122129. (ISI Impact Factor: 9.038)
- Aya S. Mohamed, Mostafa R. Abukhadra, Ezzat A. Abdallah, **Ahmed M. El-Sherbeeny**, et al. **The photocatalytic performance of silica fume based Co<sub>3</sub>O<sub>4</sub>/MCM-41 green nanocomposite for instantaneous degradation of Omethoate pesticide under visible light.** *Journal of Photochemistry & Photobiology A: Chemistry* 2020;392:112434. (ISI Impact Factor: 3.306)
- Mohamed A. Mohamed, Elham Tajik, Emad Mahrous Awwad, **Ahmed M. El-Sherbeeny**, et al. **A two-stage stochastic framework for effective management of multiple energy carriers.** *Energy* 2020;197:117170. (ISI Impact Factor: 6.082)
- Nadeem A, Ahmad SF, Al-Harbi NO, **Ahmad M Elsherbeeny**, et al. **Bruton's tyrosine kinase inhibitor suppresses imiquimod-induced psoriasis-like inflammation in mice through regulation of IL-23/IL-17A in innate immune cells.** *Int Immunopharmacol.* 2020;80:106215 (ISI Impact Factor: 3.943)
- Syed Ghazanfar Ali, Mohammad Azam Ansari, Mohammad A. Alzohairy, Mohammad N. Alomary, Sami AlYahya, Mohammad Jalal, Haris M. Khan, Sarah Mousa Maadi Asiri, Wasim Ahmad, Abbas Ali Mahdi, **Ahmed M. El-Sherbeeny**, et al. **Biogenic Gold Nanoparticles as Potent Antibacterial and Antibiofilm Nano-Antibiotics against Pseudomonas aeruginosa.** *Antibiotics (Basel)* 2020;9:100. (ISI Impact Factor: 3.893)
- Mostafa R. Abukhadra, Mohammed A. El-Meligy, **Ahmed M. El-Sherbeeny**. **Evaluation and characterization of Egyptian ferruginous kaolinite as adsorbent and heterogeneous catalyst for effective removal of safranin-O cationic dye from water.** *Arabian Journal of Geosciences* 2020;13:169. (ISI Impact Factor: 1.327)
- Guohong Liu, Mostafa R. Abukhadra, **Ahmed M. El-Sherbeeny**, et al. **Insight into the photocatalytic properties of diatomite@Ni/NiO composite for effective photo-degradation of malachite green dye and photo-reduction of Cr (VI) under visible light.** *Journal of Environmental Management* 2020;254:109799. (ISI Impact Factor: 5.647)
- Mostafa R. Abukhadra, Nermen M. Refay, **Ahmed M. El-Sherbeeny**, et al. **Facile synthesis of bentonite/biopolymer composites as low-cost carriers for 5-fluorouracil drug; equilibrium studies and pharmacokinetic behavior.** *International Journal of Biological Macromolecules* 2019;141:721-731. (ISI Impact Factor: 5.162)
- Omid Avatefipour, Ameena Saad Al-Sumaiti, **Ahmed M. El-Sherbeeny**, et al. **An Intelligent Secured Framework for Cyberattack Detection in Electric Vehicles' CAN Bus Using Machine Learning.** *IEEE Access* 2019;7:127580-127592. (ISI Impact Factor: 3.745)
- Alzahrani KS, Nadeem A, Ahmad SF, Al-Harbi NO, Ibrahim KE, **El-Sherbeeny AM**, Alhoshani AR, Alshammari MA, Alotaibi MR, Al-Harbi MM. Inhibition of spleen tyrosine kinase attenuates psoriasis-like inflammation in mice through blockade of dendritic cell-Th17 inflammation axis. *Biomed Pharmacother.* Mar. 2019; 111: 347-358 (ISI Impact Factor: 3.743)
- Alkahtani MS, **El-Sherbeeny AM**, Al-Marfadi A, and Abdullah FM. (2019). **"A Panoramic View of Industrial Engineering: The Case of Saudi Arabia."** *The International Journal of Educational Organization and Leadership.* 2019; Volume 26, Issue 1, pp. 1-19.
- Nadeem A, Ahmad SF, **El-Sherbeeny AM**, Al-Harbi NO, Bakheet SA, Attia SM. (2018). **"Systemic inflammation in asocial BTBR T+ tf/J mice predisposes them to increased psoriatic inflammation."** *Prog Neuropsychopharmacol Biol Psychiatry.* 2018;83:8-17 (Impact Factor: 4.185).
- Al-Harbi NO, Nadeem A, Ahmad SF, Alotaibi MR, AlAsmari AF, Alanazi WA, Al-Harbi MM, **El-Sherbeeny AM**, Ibrahim KE. (2018). **"Short chain fatty acid, acetate ameliorates sepsis-induced acute kidney injury by inhibition of NADPH oxidase signaling in T cells."** *Int Immunopharmacol.* 2018;58:24-31. (Impact Factor: 3.118).

- Nadeem A, Ahmad SF, Al-Harbi NO, Fardan AS, **El-Sherbeeny AM**, Ibrahim KE, Attia SM. (2017). **“IL-17A causes depression-like symptoms via NFκB and p38MAPK signaling pathways in mice: Implications for psoriasis associated depression.”** *Cytokine*. 2017 Sep;97:14-24 (Impact Factor: 3.488).
- Nadeem A, Ahmad SF, Al-Harbi NO, **El-Sherbeeny AM**, Al-Harbi MM, Almukhlafi TS. (2017). **“GPR43 activation enhances psoriasis-like inflammation through epidermal upregulation of IL-6 and dual oxidase 2 signaling in a murine model.”** *Cell Signal*. 2017 May;33:59-68 (Impact Factor: 4.243).
- Al-Harbi NO, Nadeem A, Al-Harbi MM, Zoheir KM, Ansari MA, **El-Sherbeeny AM**, Alanazi KM, Alotaibi MR, Ahmad SF. (2017). **“Psoriatic inflammation causes hepatic inflammation with concomitant dysregulation in hepatic metabolism via IL-17A/IL-17 receptor signaling in a murine model.”** *Immunobiology*. 2017 Feb;222(2):128-136 (Impact Factor: 2.720).
- Nadeem A, Al-Harbi NO, Ansari MA, Al-Harbi MM, **El-Sherbeeny AM**, Zoheir KM, Attia SM, Hafez MM, Al-Shabanah OA, Ahmad SF. (2017). **“Psoriatic inflammation enhances allergic airway inflammation through IL-23/STAT3 signaling in a murine model.”** *Biochem Pharmacol*. 2017 Jan 15;124:69-82 (Impact Factor: 5.009).
- Naif O. Al-Harbi, Ahmed Nadeem, Mohammed M. Al-Harbi, Khairy M.A. Zoheir, Mushtaq A. Ansari, **Ahmed M. El-Sherbeeny**, Khalid M. Alanazi, Moureq R. Alotaibi, Sheikh F. Ahmad. (2016). **“Psoriatic Inflammation Causes Hepatic Inflammation with Concomitant Dysregulation in Hepatic Metabolism via IL-17A/IL-17 Receptor Signaling in a Murine Model”** in: *Immunobiology*. ([Available online 18 October 2016](#)).
- Nadeem, A, Al-Harbi, NO, Al-Harbi, MM, **El-Sherbeeny, AM**, Ahmad, SF, Siddiqui, N, Ansari, MA, Zoheir, KMA, Attia, SM, Al-Hosaini, KA, Al-Sharary, SD. (2015). **“Imiquimod-Induced Psoriasis-Like Skin Inflammation is Suppressed by BET Bromodomain Inhibitor in Mice through RORC/IL-17A Pathway Modulation”** *Pharmacological Research*. Volume 99, September 2015. pp. 248–257.
- **El-Sherbeeny, AM**, Odom, JV, Smith, JE. (2006). **“Visual System Manifestations due to Systemic Exposure to Mercury”** in: *Journal of Toxicology: Cutaneous and Ocular Toxicology*. Volume 25, Number 3, September 2006. pp. 173-183.
- **El-Sherbeeny, AM**, Odom, JV, Della-Guistina, D, Smith, JE. (2006). **“Eye Biomarkers as Early Indicators of Occupational Toxicity: Blood Toxins, Heavy Metals, and Neurotoxins”** in: *Professional Safety: Journal of the American Society of Safety Engineers (ASSE)*. Volume 41, Number 8, August 2006. pp. 26-32.
- **El-Sherbeeny, AM**, Odom, JV, Smith, JE. (2006). **“Spatial Density Distribution as a Basis for Image Compensation”** in: *Journal of Modern Optics*. Volume 53, Number 9, 15 June 2006. pp. 1241-1244.

### US Patent

- Odom, J, Smith, J, Craven, R, **El-Sherbeeny, A**. (2003). US Patent 6,626,537 B1, **“Non-Invasive Ocular Dynamic Monitoring Assessment Method and Associated Apparatus,”** Granted on September 30, 2003.

### Conference Publications

- **Ahmed M. El-Sherbeeny**, Woo Hyung Park. (2019). **“[Ergonomic Evaluation of Vehicle License Plates used in Saudi Arabia](#),”** *Proceedings of the IEOM Third European Conference*, Pilsen, Czech Republic, July 23-26.
- **Ahmed M. El-Sherbeeny**, Woo Hyung Park, Mohammed A. Alghufaili, and Abdulrahman I. Al-Husseini. (2018). **“[An Evaluation of Road Hump Markings in Riyadh: Detectability of the Shapes and Colors](#),”** *Proceedings of the IEOM Second European Conference*, Paris, France, July 26-27.
- **Ahmed M. El-Sherbeeny**, and Hamed Dhafi Alsharari. (2018). **“Assessing Engineering Disciplines with Expected Success for Females in Saudi Arabia,”** *Proceedings of the 2018 ASEE Annual Conference and Exposition*, Salt Palace Convention Center, Salt Lake City, UT, USA, June 24-27.
- Mohammed Alkahtani, **Ahmed El-Sherbeeny**, Mohammed A. Noman, Fawaz M. Abdullah, and Alok Choudhary. (2018). **“Trends in Industrial Engineering and the Saudi Vision 2030,”** *Proceedings of the 2018 IISE Annual Conference*, Loews Royal Pacific Resort, Orlando, Florida, USA, May 19-22.

- Mohammed Alkahtani, **Ahmed M. El-Sherbeeny**. (2017). “**Industrial Engineering Higher Education in Saudi Arabia**,” (abstract), *Proceedings of the Twenty-Fourth International Conference on Learning (The Learner Research Network)*, University of Hawaii at Manoa, Honolulu, USA, July 19-21.
- **Ahmed M. El-Sherbeeny**, Mohammed Alkahtani, James V. Odom, and James E. Smith. (2017). “**The Partial Cartoon Central Vision Compensation Technique: Subjective Evaluation**,” *Proceedings of the International Conference on Industrial Engineering and Operations Management (IEOM)*, Rabat, Morocco, April 11-13.
- Mohammed Alkahtani, **Ahmed M. El-Sherbeeny**, and Fawaz M. Abdullah. (2017). “**Assessing Engineering Minorities in Saudi Arabian Higher Education: Status and Challenges**,” *Proceedings of the International Conference on Industrial Engineering and Operations Management (IEOM)*, Rabat, Morocco, April 11-13.
- **Ahmed M. El-Sherbeeny**, Woo Hyung Park, Dr Seongkwan Mark Lee, Ibrahim Alanzie, Faisal Alsuhaibani, Abdullah Alhazzaa, Ibrahim Alwaiel, and Abdul-Azeez Alarifi. (2017). “**Traffic Sign Evaluation and Redesign of Typeface in Saudi Arabia**,” (abstract), *Proceedings of the International Conference on Industrial Engineering and Operations Management (IEOM)*, Rabat, Morocco, April 11-13.
- **El-Sherbeeny, AM**. (2014). “**Highlighting the Need for Engineering Education for Females in Saudi Arabia**,” *121<sup>st</sup> ASEE (American Society for Engineering Education) Annual Conference & Exposition*, Indianapolis, Indiana, USA, June 15-18, 2014.
- **El-Sherbeeny, AM**. (2014). “**The Partial Cartoon Central Vision Compensation Technique: Introduction and Evaluation**,” *4<sup>th</sup> International Conference on Multimedia Computing and Systems (ICMCS'14)*, Marrakesh, Morocco, April 14-16, 2014.
- **El-Sherbeeny, AM**, Al Sohibani, HM, Al Suhaibani, AS, Al Suhaibani, AA. (2011). “**Evaluating the Design of the Current Saudi Arabian License Plate**,” *41<sup>st</sup> International Conference on Computers & Industrial Engineering (CIE)*, Los Angeles, CA, October 23-26, 2011.
- **El-Sherbeeny, AM**, Al-Tallaq, K. (2009). “**Technical Challenges Facing New Universities Seeking ABET Accreditation for Engineering Programs in Saudi Arabia – The AlJouf University Experience**,” Poster Presentation in: *The Fifth Saudi Technical Conference and Exhibition*, January 11-14, 2009.
- Odom, J.V., **El-Sherbeeny, A.**, and Jabbour, N.M (2008). **Treatments of Neovascular Age-Related Macular Degeneration: A Quantitative Review**. *Program and Proceedings of the Forty-Sixth Annual Meeting of the International Society for Clinical Electrophysiology of Vision*. Morgantown, WV. July 10th – July 15th, 2008. WVU Eye Institute: Morgantown, WV, 2008. pp. 58-59. ISBN: 0-9772098-1-4.
- Odom, J.V., **El-Sherbeeny, A.**, and Jabbour, N.M (2008). **Treatments of Neovascular Age-Related Macular Degeneration: A Quantitative Review**. *Documenta Ophthalmologica*, 2008, 117 (Supplement 1), 42. (Note: The supplement is a special issue based on the conference proceedings above so that this abstract is the same as above.)
- **El-Sherbeeny, AM**, Hensel, R, Ware, AE, Smith, J. (2006). “**Study Labs as a Practical Means of Enhancing Freshman Engineering Courses**,” *The Fall 2006 Convention For the Midwest Section of the American Society of Engineering Education (ASEE)*, Kansas City, Missouri, September 13-15, 2006.
- Fahmy, G, **El-Sherbeeny, A**, Mandala1, S, Abdel-Mottaleb, M, and Ammar, H. (2006). “**The Effect of Lighting Direction/Condition on the Performance of Face Recognition Algorithms**,” *SPIE Paper Number 6202-21*, Orlando, Florida, April 17-21, 2006.
- **El-Sherbeeny, AM**, Odom, JV, Smith, JE. (2005). “**A Non-Invasive Image Compensation Technique for Retinitis Pigmentosa Patients**,” Abstract in: *Developments in Vision Enhancement Technology and Their Evaluation*, Conference Proceedings, June 2005, WVU Eye Institute.

#### **DELIVERED/ORGANIZED PROFESSIONAL PRESENTATIONS, WORKSHOPS, and LECTURES**

- **Conference Presentation**. **El-Sherbeeny, AM**, and Park, Woo Hyung Park. (2019). “**Ergonomic Evaluation of Vehicle License Plates used in Saudi Arabia**,” *IEOM Third European Conference*, Pilsen, Czech Republic, July 23-26. (presented July 23, 2019).



- **Conference Presentation.** El-Sherbeeny, AM, Alkahtani, M, Odom, JV, and Smith, JE. (2017). **“The Partial Cartoon Central Vision Compensation Technique: Subjective Evaluation,”** *International Conference on Industrial Engineering and Operations Management (IEOM)*, Rabat, Morocco, April 11-13. (presented April 12, 2017).
- **Conference Presentation.** Alkahtani, M, El-Sherbeeny, AM, Abdullah, FM. (2017). **“Assessing Engineering Minorities in Saudi Arabian Higher Education: Status and Challenges,”** *International Conference on Industrial Engineering and Operations Management (IEOM)*, Rabat, Morocco, April 11-13. (presented April 12, 2017).
- **Lecture.** El-Sherbeeny, AM. (2016). **“How to Boost your Academic English,”** *College of Engineering Student Activities Club: “Ithraa’ Program,”* College of Engineering, King Saud University (presented February 10, 2016).
- **Lecture.** El-Sherbeeny, AM. (2016). **“Project Preparation Methods - Introduction and Background,”** *Graduation Projects Committee, Industrial Engineering Department, College of Engineering, King Saud University* (presented February 29, 2016; October 18, 2015; February 22, 2015; November 03, 2014; April 06, 2014).
- **Conference Presentation.** El-Sherbeeny, AM. (2014). **“The Partial Cartoon Central Vision Compensation Technique: Introduction and Evaluation,”** *4<sup>th</sup> International Conference on Multimedia Computing and Systems (ICMCS’14)*, Marrakesh, Morocco (presented April 15, 2014).
- **Lecture.** El-Sherbeeny, AM. (2014). **“Overview of Human Factors Engineering,”** *Ithraa’ Program/Industrial Engineering Club, College of Engineering, King Saud University* (presented March 4, 2014).
- **Delivered Workshop.** El-Sherbeeny, AM. (2014). **“Lessons from the Third Competition for Graduation Projects of Engineering Colleges in GCC Universities,”** *Vice Deanship for Development and Quality, College of Engineering, King Saud University* (presented May 11, 2013).
- **Lecture.** El-Sherbeeny, AM. (2011). **“Graduation Project Report and Presentation Guidelines,”** *Graduation Projects Committee, Industrial Engineering Department, College of Engineering, King Saud University* (presented November 29, 2011; December 22, 2010).
- **Co-Organized Workshop.** El-Sherbeeny, AM. **“Institutional Mission and its Relation to Accreditation in Higher Education,”** *Alljuf University Quality Assurance and Academic Accreditation Unit, Sakaka, AlJouf, KSA, Wednesday, May 13, 2009.*
- **Co-Organized Workshop.** El-Sherbeeny, AM. **“Creating a Vision and Mission for the College of Engineering,”** *Alljuf University Quality Assurance and Academic Accreditation Unit, Sakaka, AlJouf, KSA, Wednesday, Apr 15, 2009.*
- **Conference Presentation.** El-Sherbeeny, AM. (2006). **“Study Labs as a Practical Means of Enhancing Freshman Engineering Courses,”** *The Fall 2006 Convention For the Midwest Section of the American Society of Engineering Education (ASEE)*, Kansas City, Missouri (presented September 15, 2006).
- **Conference Presentation.** El-Sherbeeny, AM. (2006). **“The Effect of Lighting Direction/Condition on the Performance of Face Recognition Algorithms,”** *SPIE Paper Number 6202-21, Orlando, Florida. Presentation, April 18, 2006.*
- **Conference Presentation.** El-Sherbeeny, AM. (2005). **“A Non-Invasive Image Compensation Technique for Retinitis Pigmentosa Patients,”** *Developments in Vision Enhancement Technology and Their Evaluation, Presentation, June 3, 2005, WVU Eye Institute.*

#### **DELIVERED PROFESSIONAL TRAINING COURSES**

- **“Corporate Standards and Ethics”** *Obeikan Investment Group* (May-June 2014).
- **“Business Writing”** *Obeikan Investment Group* (March 2014).
- **“Good Manufacturing Practices”** *Obeikan Investment Group* (August 2013).

#### **ATTENDED WORKSHOPS and TRAINING**

- Attended Workshop, **“Competencies in Writing Examination Items,”** *National Center for Assessment (Qiyas)*, December 05-06, 2018.

- Attended Workshop, “**Employability Skills Assessment Development Workshop,**” *National Center for Assessment (Qiyas)*, February 14-15, 2018.
- Attended Training, “**Design of Industrial Facilities – The Past and the Present,**” *King Saud University / Saudi Society for Systems and Industrial Engineering*, April 27, 2016.
- Attended Workshop, “**Statistical Testing using SPSS,**” *King Saud University*, 10 Hours, February 21-22, 2016.
- Attended Workshop, “**KSU – KPI’s and Benchmarking,**” *King Saud University*, 10 Hours, February 07-08, 2016.
- Attended Workshop, “**Research Qualitative Analysis,**” *King Saud University*, 10 Hours, February 02-03, 2016.
- Attended Workshop, “**Translator and Dictionary,**” *King Saud University*, Monday, March 30, 2015.
- Attended Workshop, “**Writing Scientific Papers and Getting them Published,**” *King Saud University*, Tuesday, March 17, 2015.
- Attended the Fourth Symposium on Informatics, “**Technologies for People with Special Needs,**” *College of Computer and Information Sciences, King Saud University*, April 23-25, 2013.
- Attended Workshop, “**Emotional Intelligence,**” *King Saud University*, 10 Hours, October 26-27, 2010.
- Attended Workshop, “**Accreditation Report Standards of the Educational Institution,**” *King Saud University*, 10 Hours, October 23-24, 2010.
- Attended Workshop, “**Building Higher Educational Assessment Skills for Teaching Faculty,**” *Umm AlQura University, Sakaka, AlJouf, KSA*, May 30 – June 10, 2009.

#### **AWARDS, RECOGNITION, CERTIFICATIONS, and MEMBERSHIPS**

- Recognized by the Vice Deanship for Development and Quality at the College of Engineering, King Saud University, for the **supervision and development of the College’s Alumni and Employment Unit activities** during the period from Aug. 2013 until Aug. 2018, Sep. 2018.
- Recognized by the IEOM (Industrial Engineering and Operations Management) Society for authoring the **Best Track Paper in Human Factors and Ergonomics**, “An Evaluation of Road Hump Markings in Riyadh: Detectability of the Shapes and Colors”, during *IEOM Second European Conference, Awards and Recognition Dinner, Renaissance Paris La Defense Hotel, Paris, France, July 27, 2018*.
- Recognized by the College of Engineering, King Saud University, for **Participating in Organizing the College of Engineering’s Fifth Alumni Gathering (April 24, 2018)**, during the *Annual Gathering for the College of Engineering Faculty and Staff*, May 11, 2018.
- Recognized by the College of Engineering, King Saud University and BAE Systems – Saudi Arabia, for **Contributing to the Scientific Arbitration of College of Engineering Senior Design Projects**, during the *BAE Systems Saudi Arabia Outstanding Graduation Projects Competition, First Semester 1438/1439H (Fall 2017)*, Jan 10, 2018.
- Recognized by the College of Engineering, King Saud University and BAE Systems – Saudi Arabia, for **supervising the College of Engineering Senior Design earning first place**, “Evaluation and Redesign of Road Humps in Riyadh in Terms of Detectability of Road Hump Markings”, during the *BAE Systems Saudi Arabia Outstanding Graduation Projects Competition, First Semester 1438/1439H (Fall 2017)*, Jan 10, 2018.
- Recognized by the College of Engineering Students Council, College of Engineering, KSU, for **Participating in the Evaluation of the #إشرح\_لي (Explain for me) Competition** during the 1437-1438 (2016-2017) during the *College of Engineering Students Council Annual Activity Ceremony*, May 25, 2017.
- Recognized by the IEOM (Industrial Engineering and Operations Management) Society for supervising the poster earning **third place** in the **IEOM Senior Design Project Poster Competition**, “Traffic Sign Evaluation and Redesign of Typeface”, during *IEOM Annual International Conference, Sofitel Hotel, Rabat, Morocco, April 12, 2017*.
- Recognized by the College of Engineering, King Saud University, for **supervising the Multidisciplinary Senior Design Project earning first place**, “Evaluation and Redesign of road signs currently used in Riyadh”, during

the *College of Engineering at KSU Outstanding Graduation Projects Competition*, First Semester 1437/1438H (Fall 2016), Jan. 24, 2017.

- Recognized by the College of Engineering, King Saud University, for **supervising the Multidisciplinary Senior Design Project earning first place**, “Design and Development of a Grip Force Training Device For The Rehabilitation of Neurologically Impaired Patients”, during the *BAE Systems Saudi Arabia* Outstanding Graduation Projects Competition, Second Semester 1436/1437H (Spring 2016), May 24, 2016.
- Recognized by the College of Engineering Student Activities Club, King Saud University, for **participating in the “Ithraa’ Program,”** during the 1436-1437 (2015-2016) activities closing ceremony, May 04, 2016.
- Recognized by the College of Engineering, King Saud University for **organizing the GCC Countries 2013 Engineering Students Design Competition**, during award ceremony, Tuesday, April 16, 2013; and during the college annual party, Thursday, May 16, 2013.
- Recognized by the College of Engineering, King Saud University, for **supervising the Industrial Engineering senior design project earning first place**, “Tricycle for Handicapped Persons”, during the *BAE Systems Saudi Arabia* Outstanding Graduation Projects Competition, Second Semester 1431/1432H (Spring 2011), May 2011
- Recognized by the College of Engineering, King Saud University, for **efforts performed as part of the Quality and Accreditation Committee**, December 2010.
- Award: **Best Industrial Engineering Project by the IIE** (Institute of Industrial Engineers)-Student Chapter, AUC, 1996 – 1997.
- **Dean's List of Honors** (cultural activities and academic achievement), AUC, 1994 – 1998.
- Completed the **Human Participants Protection Education for Research Teams** online course, sponsored by the National Institutes of Health (NIH), November 2004.
- Active member of the **SSSIE** (Saudi Society for Systems and Industrial Engineering), February 2016 – current.
- Active member of the **ASEE** (American Society for Engineering Education), 2006 – current.

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- Nationality: United Kingdom
- Marital Status: Married, three sons, one daughter

#### REFERENCES:

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