

**DR. UBAID M. AL-SAGGAF***Associate Professor, Dept. of Electrical and Computer Eng., King Abdulaziz University***Education**

| <i>Degree</i> | <i>Field of Study</i>  | <i>Institution</i>   | <i>Year</i> |
|---------------|------------------------|--|-------------|
| PhD           | Electrical Engineering | Stanford University, USA                                   | 1986        |
| MS            | Electrical Engineering | Stanford University, USA                                   | 1983        |
| BS            | Mathematics            | King Fahd University of Petroleum & Minerals, Saudi Arabia | 1980        |
| BS            | Electrical Engineering | King Fahd University of Petroleum & Minerals, Saudi Arabia | 1980        |

**Academic Experience**

| <i>From</i> | <i>To</i> | <i>Institution</i>   | <i>Rank</i>                  | <i>Title (Chair, Full or Coordinator, etc.)</i> | <i>Part Time</i> |
|-------------|-----------|--|------------------------------|---|------------------|
| 2010        | Date      | King Abdulaziz University  | Associate Professor          |   | Full Time        |
| 1991        | 1992      | King Fahd University   | Associate Professor          |   | Full Time        |
| 1986        | 1990      | King Fahd University   | Assistant Professor          |   | Full Time        |
| 1981        | 1986      | Stanford University, USA   | Grad. Stud. & Res. Asst      |   | Full Time        |
| 1980        | 1981      | King Fahd University of Petroleum & Minerals, KSA                | of Graduate Assistant        |   | Full Time        |
| 2012        | Summer    | Department of Engineering, University of Leicester, UK           | Visit. Res. Fellow           |   | Full Time        |
| 1991        | Summer    | Department of Engineering, University of Leicester, UK           | Hon. Visit. Assoc.           |   | Full Time        |
| 1990        | Summer    | Industrial Control Unit, University of Strathclyde, UK           | Visit. Res. Fellow           |   | Full Time        |
| 1989        | Summer    | Industrial Control Unit, University of Strathclyde, Glasgow, U.K | Visit. Res. Fellow           |   | Full Time        |
| 1987        | Summer    | Stanford University, California, USA                             | Stanford, Visit. Res. Fellow |   | Full Time        |

**Non Academic Experience (including Consultations)**

| <i>From</i> | <i>To</i> | <i>Company/Entity</i>  | <i>Title</i>                | <i>Position Description (Brief)</i> | <i>Full or Part Time</i> |
|-------------|-----------|--|-----------------------------|-------------------------------------|--------------------------|
| 2011        | Date      | Autonomous Systems Techniques (AST), Houses of Knowledge and Business Alliance, KAU. | Executive Director          | Consultation                        | Part Time                |
| 1992        | 2010      | Ministry of Defense and Aviation Saudi Arabia  | Executive Technical Advisor | Executive Technical Advisor         | Full Time                |
| 1988        | 1988      | Instrumentation & Control  | Visiting                    | Development                         | of Full Time             |

Systems Department, ChiyodaEngineer Corp., Yokohama, Japan. Control Algorithms (Summer)

### **Funded Research Projects and Patents from the Past Five Years**

1. "Modeling and Flight Control System Design for Autonomous UAV," KACST ADVANCED and STRATEGIC TECHNOLOGIES Program, PI, 2013.
2. "Night Vision Based on Laser Gated Imaging," KACST ADVANCED and STRATEGIC TECHNOLOGIES Program, PI, 2013.
3. "UAV Adaptive Fault Tolerant Control and State Estimation," KAU DSR, Co-PI, 2012

### **Certifications and Professional Registrations**

### **Current Membership in Professional Societies and Organizations**

| <i>Society/Organization</i> | <i>Rank</i> | <i>Member Since</i> |
|-----------------------------|-------------|---------------------|
| 1. SPIE                     | Member      | 2012                |

### **Honors and Awards**

#### **Institutional and Professional Services** (*administration, committees, units, etc.*)

1. Supervisor, Center of Excellence In Int. Eng. Systems (CEIES), KAU, (2014-Date)
2. KFUPM University Research Committee. (member + Vice Chairman) 1986-1992
3. KFUPM University PhD. Entrance Exam Committee
10. KFUPM College of Engineering Promotion Committee
11. KFUPM EE Department Curriculum Committee
17. KAU ECE Department ABET Committee (2010-2011)
18. KAU ECE Department Faculty Performance Evaluation Ad-hoc Committee
19. Organization Committee of The 11th & 12th National Computer Conference and Exhibition
20. Registration & Publications Committees of The 11th National Computer Conference and Exhibition
21. Program and Registration Committee of The 12th National Computer Conference and Exhibition

### **Principal Publications/Presentations from the Past Five Years**

#### **Recent Professional Development Activities** (*Workshops, training, etc.*)

1. ABET Workshop, King Abdulaziz University, Jeddah, Saudi Arabia, 2011.
2. Short Course offered By Professor Jaafar Elmirghani, 'Optical Networks: Design and Optimization', December 2011
3. Short Course offered By Professor Witold Pedrycz, 'Fuzzy Modelling: Fundamentals, Design and Challenges', March 2012 and May 2012.

**ENG. IYAD ALI ABUALHAJ***Lecturer, Dept. of Electrical and Computer Eng., King Abdulaziz University***Education**

| <i>Degree</i> | <i>Field of Study</i>             | <i>Institution</i>                    | <i>Year</i> |
|---------------|-----------------------------------|---------------------------------------|-------------|
| MS            | University of Jordan-Amman Jordan | Electrical Engineering/Communications | 2009        |
| BS            | AlYarmouk University-Irbid-Jordan | Electrical Engineering/Communications | 2005        |

**Academic Experience**

| <i>From</i> | <i>To</i> | <i>Institution</i>                              | <i>Rank</i>                   | <i>Title</i> (Chair, Full or Coordinator, etc.) | <i>Part Time or Full Time</i> |
|-------------|-----------|---|-------------------------------|---|-------------------------------|
| 2010        | Date      | King Abdulaziz University Jeddah , Saudi Arabia | lecturer                      |   | Full Time                     |
| 2008        | 2010      | Alquds College –Amman-Jordan                    | Lecturer                      |   | Full Time                     |
| 2005        | 2008      | Applied Science University –Amman-Jordan        | Private Laboratory technician |   | Full Time                     |

**Non Academic Experience** (including Consultations)

| <i>From</i> | <i>To</i> | <i>Company/Entity</i> | <i>Title</i> | <i>Position</i> (Brief) | <i>Description</i> | <i>Full or Part Time</i> |
|-------------|-----------|-----------------------|--------------|-------------------------|--------------------|--------------------------|
|-------------|-----------|-----------------------|--------------|-------------------------|--------------------|--------------------------|

**Funded Research Projects and Patents from the Past Five Years****Certifications and Professional Registrations**

1. ICDL Certificate (2010)

**Current Membership in Professional Societies and Organizations**

| <i>Society/Organization</i>           | <i>Rank</i> | <i>Member Since</i> |
|---------------------------------------|-------------|---------------------|
| 1. Jordan Engineers Association (JEA) | Engineer    | 2005                |

**Honors and Awards****Institutional and Professional Services** (administration, committees, units, etc.)**Principal Publications/Presentations from the Past Five Years****Recent Professional Development Activities** (Workshops, training, etc.)

**ENG. TANIA TASMIN***Lecturer, Dept. of Electrical and Computer Eng., King Abdulaziz University***Education**

| <i>Degree</i> | <i>Field of Study</i>                 | <i>Institution</i>  | <i>Year</i> |
|---------------|---------------------------------------|---|-------------|
| MS            | Electrical and Computer Engineering   | University of British Columbia, Vancouver, BC, Canada           | 2010        |
| BS            | Electrical and Electronic Engineering | Bangladesh University of Engineering and Technology, Bangladesh | 2004        |

**Academic Experience**

| <i>From</i> | <i>To</i> | <i>Institution</i>                                    | <i>Rank</i>        | <i>Title</i><br>(Chair, Full or<br>Coordinator, etc.) | <i>Part Time</i><br>or<br>Full Time |
|-------------|-----------|---|--------------------|---|-------------------------------------|
| 2013        | Date      | King Abdulaziz University, Jeddah, Saudi Arabia       | Lecturer           |   | Full Time                           |
| 2009        | 2011      | University of British Columbia, Vancouver, BC, Canada | Teaching Assistant |   | Full Time                           |
| 2007        | 2011      | University of British Columbia, Vancouver, BC, Canada | Research Assistant |   | Full Time                           |
| 2004        | 2006      | United International University, Dhaka, Bangladesh    | Lecturer           |   | Full Time                           |

**Non Academic Experience** (including Consultations)

| <i>From</i> | <i>To</i> | <i>Company/Entity</i> | <i>Title</i> | <i>Position</i><br>(Brief) | <i>Description</i> | <i>Full</i><br>or<br><i>Part Time</i> |
|-------------|-----------|-----------------------|--------------|----------------------------|--------------------|---------------------------------------|
|-------------|-----------|-----------------------|--------------|----------------------------|--------------------|---------------------------------------|

**Funded Research Projects and Patents from the Past Five Years****Certifications and Professional Registrations****Current Membership in Professional Societies and Organizations**

| <i>Society/Organization</i>                                 | <i>Rank</i>      | <i>Member Since</i> |
|---|------------------|---------------------|
| 1. Institute of Electrical and Electronics Engineers (IEEE) | Member           | 2012                |
| 2. SPIE Photonics   | Member           | 2012                |
| 3. Engineering Institute of Bangladesh (IEB)                | Assistant Member | 2008                |

**Honors and Awards**

1. University Merit Scholarship for Term Examination Results Awarded By Bangladesh University of Engineering and Technology, Dhaka-1000, Bangladesh, 1999-2003.
2. Awarded Board Scholarship In 1st Grade for The Result In HSC (Higher-Secondary School Certificate) Examination.
3. Awarded Board Scholarship In 1st Grade for The Result In SSC (Secondary School Certificate) Examination.

4. Obtained An Honorary Certificate From The Prime Minister Begum Khaleda Zia for An Excellent Academic Performance In SSC.

### **Institutional and Professional Services** (*administration, committees, units, etc.*)

### **Principal Publications/Presentations from the Past Five Years**

1. Tania Tasmin, Nicolas Rouger, Guangrui Xia, Lukas Chrostowski, Nicolas A. F. Jaeger, "Design of a 1550 Nm SiGe/Si Quantum-Well Optical Modulator," Proceedings of SPIE, vol. 7750, pp. (77501N) 1-10, 2010.

### **Recent Professional Development Activities** (*Workshops, training, etc.*)

1. "ABET Accreditation for Better Teaching and Learning" ASU Workshop, Faculty of Engineering, King Abdulaziz University, Jeddah, Saudi Arabia, April 2014
2. "Assessment of Engineering Professional Skills" ASU Workshop, Faculty of Engineering, King Abdulaziz University, Jeddah, Saudi Arabia, April 2014
3. "Role of Instructors In The Accreditation Process" ASU Workshop, Faculty of Engineering, King Abdulaziz University, Jeddah, Saudi Arabia, April 2014
4. "Lab Experience" ASU Workshop, Faculty of Engineering, King Abdulaziz University, Jeddah, Saudi Arabia, May 2014
5. "Teaching Saudi Students" Workshop, Jeddah, Saudi Arabia, September 8, 2013
6. "Instructional Skills" Workshop At Teaching and Academic Growth, University of British Columbia, Vancouver, Canada, June 2009.