

**HEMALATHA MAHALINGAM**

*Assistant Professor, Department of Electrical and Computer Engineering, King Abdulaziz University*

**Education**

<i>Degree</i>	<i>Field of Study</i>	<i>Institution</i>	<i>Year</i>
Ph.D	Computer and Communication Networks	SASTRA University, India	2012
MS	Information Technology	Bharathidasan University, India	2003
BE	Electronics and Communication Engineering	Bharathidasan University, India	1997

**Academic Experience**

<i>From To</i>	<i>Institution</i>	<i>Rank</i>	<i>Full or -Part Time</i>
<i>Oct 2015-Till Date</i>	<i>King Abdulaziz University, KSA</i>	<i>Assistant Professor</i>	<i>Full Time</i>
<i>May 2015-Sep 2015</i>	<i>Narayana Engineering College, AP, India</i>	<i>Professor</i>	<i>Full Time</i>
<i>June 2003-April 2014</i>	<i>SASTRA University, TN, India</i>	<i>LecturerSr.Lecturer Assistant Professor Associate Professor</i>	<i>Full Time</i>
<i>May 2001-May 2003</i>	<i>Arunai Engineering College, TN, India</i>	<i>Lecturer</i>	<i>Full Time</i>
<i>July 1997-April 2001</i>	<i>Shanmugha Polytechnic and College of Engineering, TN, India</i>	<i>Lecturer</i>	<i>Full Time</i>

**Funded Research Projects and Patents From The Last Five Years**

A Patent(India) is filed on "Combinational Transmit Diversity(CTD) enabled Cognitive Radio Network with Simple Spectrum Sensing Scheme" as a Principal Inventor

**Certifications and Professional Registrations****Current Membership in Professional Societies and Organizations**

<i>Society/Organization</i>	<i>Rank</i>	<i>Since</i>
i. Indian Society for Technical Education(ISTE)	Life Member	2003
ii. Broadcast Engineering Society(BES), India	Life Member	2004

**Major Honors and Awards**

- Received an Award "Recognition in Paramount Contribution to Development of Faculty and Department" in FOE, King Abdulaziz University, 2019

- The article on “Wi-Fi Diversity Analysis”, is included as **Tutorial notes** for M.S(Telecommunication Systems) in **Colorado university, USA, 2011**
- **Best Teacher Award** for the year 2002, in Arunai Engineering College(AEC), TN, India

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

1. Jayasri, T., *Hemalatha, M.* Link Quality Estimation for Adaptive Data Streaming in WSN (2017) Wireless Personal Communications, Springer, 94(3), pp. 1543-1562.
2. Al Ahdel, M.Q., *Hemalatha, M.* Novel approach towards TSP (2016) International Journal of Applied Engineering Research, 11 (12), pp. 7684-7687.
3. Ahmed, E., *Hemalatha, M.* A survey on direct detection methods of gravitational waves.(2016) International Journal of Applied Engineering Research, 11 (12), pp. 7666-7668.
4. Al-Mutairi, A., Hassan, M., Al-Sharif, N., *Hemalatha, M.* Security issues in social networking sites (2016) International Journal of Applied Engineering Research, 11 (12), pp. 7672-7675.
5. Al Jadaani, S., Al Maliki, M., Al Ghamdi, W., *Hemalatha, M.* Security issues in cloud computing (2016) International Journal of Applied Engineering Research, 11 (12), pp. 7669-7671.
6. Al-Maghrabi, H., Shami, S., Al-Sefri, S., *Hemalatha, M.* Private browser mode: Secured! or unsecured? (2016) International Journal of Applied Engineering Research, 11 (14), pp. 8238-8242.
7. Alshabani, H.O., Alsharif, H.A., Alturkistani, A.A., *Hemalatha, M.* Factors toward the development of a robust surface plasmon resonance based sensor (2016) International Journal of Applied Chemistry, 12 (3), pp. 251-255.
8. *Hemalatha, M.*, Prithiviraj, V., Jayasri, T. Scheduling BTS power levels for green mobile computing (2015) Journal of Green Engineering, 5 (1), pp. 73-84.

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

- 1.TAFT(Teaching Area Focus Team) Leader/Female Section for Core Courses, since 2018 till date
- 2.Incharge of Course Binder Audit Team, since 2017 till date

### ***Workshops/Conferences***

- 1.Institute for the Development of Excellence in Assessment Leadership(IDEAL)” Workshop, Sep 2019
- 2.17<sup>th</sup> Learning and Technology Conference L&T 2020, Effat University, Jeddah, KSA
3. Workshop on “Blue Print”, Faculty of Engineering, KAU, Jeddah, KSA, 2019
- 4.“Saudi Arabia Smart Grid Conference 2016”
5. Workshop on “Problem Based learning”, Faculty of Engineering, KAU, Jeddah, KSA, 2018
6. Workshop on “Reflexive Feedback”, Faculty of Engineering, KAU, Jeddah, KSA, 2018
- 7.Delivered a Faculty Development Workshop on “Suitability of SciLAB to Electrical Engineering Courses” in 2018
8. Delivered a Faculty Development Workshop on “Authorship Workshop and Article Writing” in 2018
- 9.Organized an International Conference in Emerging Trends in Communication Engineering ETiCE 2015, the proceeding is published in Global Journal of Research Analysis, Vol IV, Issue 5
- 10.Conducted a workshop on “ Research Orientation and Authorship”, Apr 2015