



# Around the Globe

## IEEE Fellow Yahia Antar Speaks at Al Ain University of Science and Technology, UAE

■ Nazih Khaddaj Mallat



The College of Engineering at Al Ain University of Science and Technology (AAU), in conjunction with the IEEE United Arab Emirates (UAE) Section, IEEE UAE Microwave Theory and Techniques Society (MTT-S)/IEEE Instrumentation and Measurement Society (IM-S) Joint Chapter, and the IEEE AAU Student Branch, organized a technical talk at the Abu Dhabi campus (Mohammed Bin Zayed City).

Dr. Nazih Khaddaj Mallat opened the session (Figure 1); he is dean of the AAU College of Engineering, an IEEE UAE MTT-S/IM-S Joint Chapter chair, and

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**Figure 1.** Dr. Nazih Khaddaj Mallat of AAU introducing IEEE Fellow Prof. Yahia Antar.

IEEE AAU Student Branch counselor. The lecture, “Antennas for Wireless Communications and Other Applications—Recent Advances and Future Trends,” was presented by Prof. Yahia Antar



**Figure 2.** Prof. Antar delivering his presentation.

(Figure 2), an IEEE Fellow and past IEEE Antennas and Propagation Society Distinguished Lecturer. Dr. Antar is with

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low insertion loss, and a fast 90–135-ns switching time, making it a good choice for demanding wireless switching applications such as Wi-Fi, cable TV (CATV), IoT, and 5G applications.

Using a single 2.7-V/3.6-V supply voltage, the BSW7221 switch provides a wide 1–6,000-MHz frequency range when used in either 50- or 75- $\Omega$  impedance-terminated systems. Its low insertion loss

of 0.49 dB and high isolation of 43 dB at 2.45 GHz, together with a linearity of 65 dBm, make the BSW7221 a strong choice for 802.11 Wi-Fi, data-over-cable-service interface specification 3.1 CATV, near-field communication, IoT, and 5G wireless applications.

The BSW7221 is available in a six-lead, 1.5-mm  $\times$  1.5-mm ultrathin dual-flat no-leads package, has an electrostatic

discharge rating of 2,000 V (human body model), and requires no external dc blocking capacitors.

The BSW7221 is currently in stock and competitively priced. Samples are available upon request. Additional information about these and other BeRex RF products is available on the company website: [www.berex.com](http://www.berex.com).



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“A 220–260-GHz Medium-Power Variable-Gain Amplifier MMIC with Low Phase Variation,” while the Best Student Paper Award was given to Paolo Valerio Testa from the Technische Universität Dresden, Germany, for his paper “110-GHz Traveling-Wave Amplifier in 22-nm FD-SOI CMOS.”

After the conference, the authors of presented papers were invited to submit substantially expanded versions of their papers for a special issue of

*IEEE Transactions on Microwave Theory and Techniques* focusing on AMPC2017. This mini issue is scheduled for publication in September 2018.

All in all, the success of APMC2017 resulted from the contributions of many people and various organizations. We extend our thanks to the keynote and invited speakers, reviewers, committee members, session chairs, presenters, sponsors, and exhibitors. APMC2017 provided a broad forum for scientists

and engineers to share their research findings and discuss collaborations in the fields of microwaves and millimeter waves. Our hope is that APMC2017 will bring significant benefits to scientific and technological development in Malaysia, ultimately creating new avenues for international cooperation. We look forward to welcoming APMC back to Malaysia in the future.



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**Figure 3.** Attendees listening intently as Prof. Antar speaks.

the Department of Electrical and Computer Engineering at the Royal Military College, Kingston, Ontario, Canada. The event was attended by Dr. Amer Qasem, AAU vice president, and many academic staff, researchers, and students (Figure 3).

Prof. Antar addressed some current and emerging directions of research in antenna systems, fundamentally new approaches for antenna analysis, the

near fields and electromagnetic energy around antenna systems, and possible implications for future antenna systems design. He also spoke briefly about the importance and impact of this research on engineering education.

After the presentation, Dr. Khaddaj Mallat thanked Prof. Antar for his informative talk and stated that the



**Figure 4.** Prof. Antar (second from right) being honored by Dr. Amer Qasem, AAU vice president (second from left), with Dr. Mallet (left) and another faculty member.

College of Engineering will continue to collaborate with the IEEE UAE Section in serving the UAE’s scientific community by organizing various events. At the conclusion of this event, Prof. Antar was honored by Dr. Qasem and Dr. Khaddaj Mallat for his significant efforts and achievements (Figure 4).

