A. Bhattacharya

E.G. Farr

I.L. Gallon

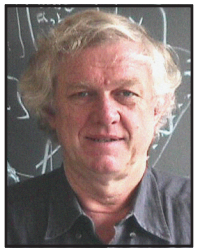
D.V. Giri

H.S. Haddad

A.H. Harmouch

D.C. Pande

D.K. Singh



F.M. Tesche

Save the date! **AMEREM 2014**
July 27–Aug. 1, 2014, Univ. of New Mexico
http://ece.unm.edu/amerem2014/

AMEREM 2014 ⇦

Hear Ye! Hear Ye!

Notable Authors Summer 2013

SUMMA
FOUNDATION
Compiled at The Univ. of New Mexico
Dept. of Elec. & Computer Engineering
1 Univ. of New Mexico MSC01 1100
Albuquerque, NM USA 87131-0001

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PhN 21 *Extending Classical Physics into the Quantum Domain,* June 2013, **I.L. Gallon,** Bridport, Dorset, UK

SSN 563 *Selection of Ideal Feed profile for Asymptotic Conical Dipole Fed Impulse Radiating Antenna,* **D. K. Singh, D. C. Pande, A. Bhattacharya,** June 2013, Electronics & Radar Development Establishment, Bangalore, India; Indian Institute of Technology, Kharagpur, India

SSN 564 *A Power Wave Theory of Antennas,* **E.G. Farr,** May 2013, Farr Fields, LLC

SSN 565 *Improved Feed Design for Enhance Performance of Reflector Based Impulse Radiating Antennas,* **D. K. Singh, D. C. Pande, A. Bhattacharya,** June 2013, Electronics & Radar Development Establishment, Bangalore, India; Indian Institute of Technology, Kharagpur, India

SSN 566 *Applications on Ring-Shaped Omni-Directional Waveguide Antennas,* **A. H. Harmouch, H. S. Haddad,** June 2013, Lebanese University, Tripoli, Lebanon

SSN 567 *Improved Estimation of Impulse Response of Reflector based IRAs using Conjugate Gradient Method,* **Dhiraj K. Singh, D. C. Pande, A. Bhattacharya,** 2013, Electronics & Radar Development Establishment, Bangalore, India; Indian Institute of Technology, Kharagpur, India

MN 64 *CW Test Manual,* **F. M. Tesche,** May 2013, NEMP Laboratory, Spiez, Switzerland

IN 624 *Modeling of Propagation Losses in Common Residential and Commercial Building Walls,* **D.V. Giri, F.M. Tesche,** July 2013, Pro-Tech, Alamo, California, USA and Saluda, North Carolina, USA

Carl Edward Baum portrays King Herod the Great

Dear Members of the HPE Community,

This is to notify you that we are uploading eight contributions to the NOTE series. There will be no hard-copy distribution of the NOTEs. The manuscripts that are received are reviewed, revised and uploaded to http://www.ece.unm.edu/summa/notes .

In **IN 624**, ***Giri*** and ***Tesche*** report on measurements and modeling of attenuation through building materials. **PhN 21** is an interesting contribution from ***Ian Gallon*** which considers equation of motion of point charges and resulting radiation.

MN 64 is a comprehensive manual by ***Tesche*** on CW Testing including test planning, equipment needed, measurement techniques and assessment. In **SSN 563**, ***Singh*** *et al.* consider an asymptotic conical dipole (ACD) type of feed for the reflector HIRA eliminating the need for a balun.

Chief Notes Editor Dave Giri and his granddaughter, Ila Avni Desai

In **SSN 564**, ***Farr*** extends his earlier work on the theory of antenna radiation and scattering into the time domain a number of standard antenna terms, including gain, antenna factor, antenna pattern, beamwidth, scattering cross section, and radar cross section. ***Singh*** *et al.* work out the performance of the reflector IRA with an ACD type of feed in **SSN 565** and demonstrate the advantage of the ACD feed over the conventional feed.

Harmouch and ***Haddad*** consider slotted waveguide antennas in a ring shape and report their innovative approach in **SSN 566**. Finally ***Singh*** *et al.* use the conjugate gradient (CG) method in calculating the impulse response of hyperband antennas in **SSN 567**. The CG method in time domain appears to offer some advantage over the conventional Fourier Transform method.

Dr. D. V. Giri, Chief Editor

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Manuscripts should be e-mailed to Dr. Giri (Giri@DVGiri.com) for consideration. It is the responsibility of the author(s) to get the paper cleared for public release. The Notes will be regularly uploaded to www.ece.unm.edu/summa/notes. The announcement of newly published notes will be sent out to subscribers twice a year by postcard. You can be added (at no cost) to this postcard notification mailing list by e-mailing Chuck Reuben at shawnee@ece.unm.edu . All Notes should be cited by mentioning, Author(s), Title, Name and Number of the Note, the Date of publication and the URL from where it can be accessed. ***"All published Notes are approved for public release and their distribution is unlimited."***

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