Hear Ye! Hear Ye!

Notable Authors Spring 2014

SUMMA FOUNDATION

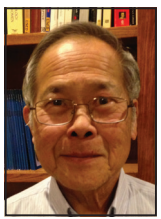

Andrey D. Andreev


Sohan L. Birla


Kenneth C. Chen


Bertrand Daout

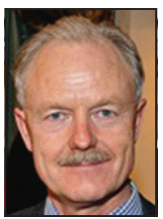

Kelvin S.H. Lee


Y. T. Lin


K. O. Merewether


Marc Sallin


Larry K. Warne


Heinz Wipf

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

UNM | Electrical & Computer Engineering

SUMMA FOUNDATION

AMEREM 2014

www.ece.unm.edu/amerem2014

University of New Mexico

Albuquerque, New Mexico, USA

July 27-August 1, 2014

Professor Edl Schamiloglu, *General Chair:* **edls@unm.edu**
Dr. D.V. Giri, *Technical Program Chair*
Dr. William A. Radasky, *Technical ProgramVice Chair*
Mr. William Prather, *Treasurer*

New Notes Uploaded to www.ece.unm.edu/summa/notes

LPN 23 *Lightning Responses on a Finite Cylindrical Enclosure,* **Kenneth C. Chen, Larry K. Warne** and **Kelvin S.H. Lee,** January 2014

LPN 24 *Linear Diffusion into a Faraday Cage,* **K. C. Chen, Y. T. Lin, L. K. Warne** and **K. O. Merewether,** January 2014

Microwave Memo 23 *Particle-in-Cell Modeling of Oven Magnetron: A Review,* **Andrey D. Andreev** and **Sohan L. Birla,** 14 November 2013

Measurement Note 65 *Measurement of Complex Permittivity of Large Concrete Samples with an Open-Ended Coaxial Line,* **Bertrand Daout, Marc Sallin** and **Heinz Wipf,** January 2014

Carl Edward Baum as a young man

Dear Members of the HPE Community,

D.V. Giri

Bob Gardner

There is a Change of Guard at the Editorship of the NOTE series. I wish to introduce Dr. Bob Gardner, whom most of you know, as the new Chief Editor. I have agreed to serve as a Co-Editor with Prof. Raj Mittra, of a new on-line Journal called FERMAT (Forum for Electromagnetic Research Methods and Application Technologies).

We are uploading four contributions to the NOTE series, with no hard-copy distribution. The manuscripts that are received are reviewed, revised and uploaded to http://www.ece.unm.edu/summa/notes .

In **LPN 23** and **LPN 24**, ***Chen*** *and his colleagues* look respectively at voltages induced in a loop inside an enclosure due to lightning and diffusion of EM pulses through a practical Faraday cage.

In **Microwave Memo 23**, ***Andreev*** and ***Birla*** investigate the EMI problem between wi-fi devices and the microwave oven, when they are both operating at the same frequency of 2.45 GHz, leading to a recommendation of changing the "cooker" oven frequency to 2.48 GHz.

Measurement Note 65 by ***Daout*** *and his colleagues* describe a promising way to measure the complex permittivity of concrete with different moisture content. This could be very useful data for studying EM propagation through buildings.

On behalf of the editorial board of the NOTE series, I wish to thank the authors and reviewers of these publications for their contributions in keeping up the high-standards of the NOTE series set by Carl Baum. Please welcome Bob Gardner and provide him with your cooperation in ensuring the continued success of the NOTE Series, which we all have come to admire and benefit from.

Happy reading and I look forward to seeing you all at AMEREM 2014 in July! (see reverse side for details)

Dave Giri

Dr. D. V. Giri, Chief Editor

Giri@DVGiri.com; http://www.dvgiri.com

Manuscripts should be e-mailed to Dr. Gardner (robert.l.gardner@verizon.net) for consideration. It is the responsibility of the author(s) to get the paper cleared for public release. The Notes will be uploaded to **www.ece.unm.edu/summa/notes** twice a year. 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@unm.edu . If you have received this post card by mail, you are already on our mailing list. 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."*** *Potential contributors to the NOTE series can adapt their material and submit it to other journals, such as the IEEE Transactions on Antennas and Propagation, EMC etc. They should be aware that IEEE policy includes the following statement: "If authors have used their own previously published work(s) as a basis for a new submission, they are required to cite the previous work(s) and very briefly indicate how the new submission offers substantive novel contributions beyond those of the previously published work(s)."*