Preparations underway for 7th Annual Symposium

MPRG is gearing up for its 7th Annual Virginia Tech Symposium on Wireless Personal Communications. This year’s symposium promises to be the most exciting one yet.

Industry experts, business leaders, and academic researchers from around the world will gather to discuss and exchange their views on the evolution of wireless technology. Researchers will demonstrate the results of new technological advances in wireless communications and describe the latest theories and techniques that are shaping the wireless future.

Four technical sessions will include papers and posters that discuss propagation and smart antennas; CDMA; networking and multiple access; and software radio technologies. New products and services will also be showcased and reviewed during the symposium.

This year’s program will also include three panel sessions featuring leading experts from around the world. The Wednesday evening panel session will discuss what is happening and what is needed in the education of wireless engineers. Thursday evening will feature a panel session on meeting the challenges of wireless E-911. The Friday afternoon panel session will discuss research and emerging trends for wireless planning tools.

Experts on these panels will share their first-hand experiences, challenges and results of real world trials and insights, and seek candid comments and discussion from the attendees. Exhibitors from around the world will also be on hand to demonstrate innovative applications of new wireless technologies.

In keeping with tradition, the symposium will end with a Virginia-style party featuring a barbecue and live music on Friday evening, June 13.

A preliminary program listing is available at the MPRG home page on the World Wide Web at www.mprg.ee.vt.edu. A brochure with a complete program listing and registration information will be arriving in your mailbox soon. Please make your reservations early as registrations will be limited.

If you have any questions about the symposium, its program, or if you are interested in displaying an exhibit, please contact MPRG Business Administrator and Conference Coordinator Ms. Jenny Frank at (757) 686-3765 or by email at mprg@vt.edu. We look forward to hosting you at Virginia Tech this June!

MPRG — Moving on up

In late summer of 1997, MPRG will move to a brand new building on campus. The New Engineering Building, located next to electrical engineering’s Whittemore Hall, will provide a magnificent mountain backdrop for MPRG operations, which will be located on the top floor of the new building.

MPRG’s quest for space at Virginia Tech began when Prof. Ted Rappaport and his first student, Scott Seidel, installed a single lab bench in borrowed See Moving, page 5

Cordless Calendar

CTIA Wireless '97
March 3-5, 1997
San Francisco, CA

IEEE INFOCOM '97
April 12-14, 1997
Kobe, Japan

IEEE Southeastcon '97
April 12-14, 1997
Virginia Tech Campus
Blacksburg, VA

IEEE VTC '97
May 5-7, 1997
Phoenix, AZ

IEEE ICC '97
June 8-12, 1997
Montreal, Quebec, Canada

7th Annual Virginia Tech/MPRG Symposium on Wireless Personal Communications
June 11-13, 1997
Virginia Tech Campus
Blacksburg, VA

Workshop on Smart Antennas in Wireless Mobile Communications
July 23-25, 1997
Stanford, CA

IEEE PIMRC '97
September 1-4, 1997
Marina Congress Center
Helsinki, Finland

IEEE ICUPT '97
October 13-17, 1997
San Diego, CA

IEEE MILCOM '97
November 2-5, 1997
Monterey, CA

IEEE GLOBECOM '97
November 4-7, 1997
Phoenix, AZ
THE PROPAGATOR

1997 SYMPOSIUM SCHEDULE

9:15 - 9:40 a.m.  Low Cost Software Radio Transceivers Using DSP
Jim Lansford, Mobile Data Systems, USA

9:40 - 10:30 a.m.  Refreshment Break/Poster Session/Exhibits

10:30 - 10:55 a.m.  Predicting Nonlinearities for a 2 GHz 120 Watt Submicron Bipolar MRF20120 Using a.m.-a.m. and a.m.-p.m. Characteristics
Michael Shaw, Motorola Semiconductor Products Sector, USA

10:55 - 11:20 a.m.  MAP Symbol Detection of CPM Bursts
Peter A. Murphy, Gary E. Ford, University of California, USA

11:20 - 11:45 a.m.  Unification of MLSE Receivers
Greg Bottomley, Sandeep Chennakeshu, Ericsson, Inc., USA

11:45 - 1:00 p.m.  Lunch in Commonwealth Dining Room

1:00 - 1:30 p.m.  Poster Session/Exhibits

1:30 p.m.  Panel Session — Research and Emerging Trends for Wireless Planning Tools

3:30 p.m.  Conclusion
Refreshment Break/Poster Session/Exhibits

6:00 p.m.  Party and Barbecue at the Virginia Tech German Club

REGISTRATION

The registration fee for the symposium is $425. Employees of MPRG affiliate companies receive a special reduced fee of $350, and full time students may register at a rate of $300. The fee includes participation in all activities, a bound proceedings, two gourmet receptions, two breakfasts, and two luncheons. All participants, including presenters, are required to register by May 22, 1997. To register, please return the attached registration form with your payment. After May 22, space availability should be confirmed by calling (540) 231-5182. Registration is limited.

Refund and Cancellation Policy: Requests for refunds are honored if received at least four full working days before the start of the symposium. However, substitutions are accepted at any time. The university may cancel or postpone any program because of insufficient enrollment or other unforeseen circumstances. If the symposium is canceled or postponed, the university will refund registration fees, but cannot be held responsible for any other costs, charges, or expenses, including cancellation/change charges assessed by airlines or travel agencies.

FOR MORE INFORMATION

For further information about this symposium or exhibits, please contact Jenny Frank, MPRG Conference Coordinator, at (757) 686-3765, fax (757) 686-3765, e-mail: mprg@vt.edu, or Jack Lilly at the Division of Continuing Education at (540) 231-4849, fax-(540) 231-9886, or e-mail-jacklily@vt.edu.

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Mobile & Portable Radio Research Group (MPRG)

PUBLICATIONS

If you are interested in receiving publications from the MPRG, please fill out the form below and enclose with your check, money order, or purchase order payable in US dollars to: Ms. Hilda Reynolds, MPRG/Dept. of Electrical & Computer Engineering, VPI & SU, 840 University City Blvd., PWC, Suite 1, Blacksburg, VA 24061-0350. Please make your check payable to Treasurer of Virginia Tech. For a listing of publications available from MPRG, please visit our WWW site at http://www.mprg.ee.vt.edu.

BOOKS

- "Wireless Communications: Principles and Practice," by T.S. Rappaport, is available from Prentice Hall. If you would like this book, please call 1-800-223-1360 or see web page address www.prenhall.com for ordering information.
- "Cellular Radio & Personal Communications Selected Readings Vol. I (HL5699) and Vol. II (HL5726)," edited by T.S. Rappaport, is available from IEEE. For ordering information, please call IEEE Educational Activities at 1-800-678-IEEE.

ANNUAL VIRGINIA TECH SYMPOSIUM ON WIRELESS PERSONAL COMMUNICATIONS PROCEEDINGS

- First Symposium .......................... no longer available
- Second Symposium ..... June 17-19, 1992 .......... $50.00 each
- Third Symposium ...... June 9-11, 1993 .......... $50.00 each
- Fourth Symposium .................................. no longer available
- Fifth Symposium ........ May 31-June 2, 1995 ...... $50.00 each
- Sixth Symposium ........ June 5-7, 1996 .......... $50.00 each

If you need further information about any of our publications, please contact Hilda Reynolds at (540) 231-2958, or email: hilda@vt.edu. If you are interested in our affiliate program, please contact us.

Thank you for your interest and support of the MPRG research.

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