IREAN: Integrated Research and Education in Advanced Networking

An Integrated Graduate Education and Research Training (IGERT) program funded by the National Science Foundation
IREAN Program Goals and Approach

- Investigate and develop key technologies that will enable the future Internet
- Produce Ph.D. graduates better prepared for future challenges in industry, government, and academia
- IREAN’s approach
  - Integrate research and education
  - Involve faculty and students from six departments in three colleges in multidisciplinary teams
  - Leverage resources in Blacksburg and at the Alexandria Research Institute and Northern Virginia Graduate Center at northern virginia
Research Thrusts

- Broadband Wireless Access Networks
- Mobile Access to Internet Resources
- Quality of Service
- Large-scale Network Management
- Security in Heterogeneous Networks
- Internet Appliances
- Future Internet
Student Benefits

- Participation in a multidisciplinary research and education program that considers technical, business, international, and regulatory issues
- Up to three years of funding (stipend plus tuition)
- Notebook computer and software
- Access to new, state-of-the-art networking lab
- Travel funds for conferences and other meetings
- Opportunities for industry and international internships
- Interaction with industry and government leaders and international scholars
- Workshops on written and oral communication
Eligibility

- Admitted to Virginia Tech’s Graduate School and pursuing a program of study related to advanced networking
  - CPE, EE, ISE, CS, Economics, Finance, Marketing
  - Other programs based on faculty support
- Ph.D. students or M.S. students committed to continuing to the Ph.D.
- U.S. Citizens and Permanent Residents

Interested students should contact a faculty member participating in the IREAN program
Further Information

IREAN Web Site
http://www.irean.vt.edu/

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