

Example

ROSTER OF INSTRUCTIONAL STAFF

TERM(S): Spring 2000, Summer 2000, Fall 2000, Spring 2001, Summer 2001

DATE FORM COMPLETED: _____

NAME OF INSTITUTION: Virginia Tech

PROGRAM: Masters of Information Technology

Name	Most Advanced Degree and Discipline	Other Degrees	Courses Taught	Other Qualifications or Experience
Dr. James R. Armstrong	Ph.D., Electrical Engineering, Marquette University	M.S., Electrical Engineering, Marquette University B.S., Electrical Engineering, Marquette University	ECPE 5514 Modeling and Synthesis of Digital Systems	<ul style="list-style-type: none"> • Professor, Bradley Department of Electrical and Computer Engineering, Virginia Tech • Teaches graduate and undergraduate courses in computer architecture, hardware description languages, and logic design • Published in <i>IEEE Transactions on Computers</i>, <i>IEE Transactions on Computer Aided Design of Integrated Circuits and Systems</i>, <i>IEEE Design and Test</i>, and <i>IEEE Computer</i> magazine • Presented at international symposia and important technical workshops • Research sponsored by the National Science Foundation, the Naval Surface Weapons Center, DARPA, Rome Air Development Center, NASA, the Naval Research Laboratories, IBM, Control Data, Virginia's Center for Innovative Technology, MCC, SRC, Mitre, General Dynamics, CLSI, Genrad, Daisy/Cadnetics, Silicon Compiler Systems, Zycad, and Vantage Analysis • Member, original IEEE VHDL standardization committee • Author, <i>Chip Level Modeling with VHDL</i> (Prentice Hall, 1988) • Co-author, <i>Structured Logic Design</i>

				<p><i>with VHDL</i> (Prentice Hall, 1993)</p> <ul style="list-style-type: none"> • Founding chair, IEEE DASS Working Group of VHDL model standards • Guest Editor, special issue of <i>IEEE Design and Test</i> on VHDL • Project Director, VHDL Validation Suite Project • Developer, movie for the IEEE on VHDL • Member, IEEE Design Automation Technical Committee • Chair, IEEE Design Automation Workshop, 1986 • Chair, IEEE Workshop on Hierarchical Test Generation, 1993
Dr. Luiz A. DaSilva	Ph.D., Electrical Engineering, University of Kansas	M.Sc., Electrical Engineering, University of Kansas B.S., Electrical Engineering, University of Kansas	ECPE 4984 Fundamentals of Computer Systems ECPE 5984 Network Performance, Design, and Management	<ul style="list-style-type: none"> • Assistant Professor, Bradley Department of Electrical and Computer Engineering, Virginia Tech • IBM Brazil, 1989-94 • Published in <i>IEEE Journal on Selected Areas in Communications</i>, <i>IEEE Transactions in Acoustics, Speech and Signal Processing</i>, and <i>IEEE Communications Magazine</i>. • Presented at IEEE INFOCOM, IEEE International Conference on Communications, and IEEE Globecom • Member, IEEE • Member, Tau Beta Pi
Dr. Nathaniel J. Davis IV	Ph.D., Electrical Engineering, Purdue University	M.S., Electrical Engineering, Virginia Tech; B.S., Electrical Engineering, Virginia Tech	ECPE 5515 Computer Architecture	<ul style="list-style-type: none"> • Associate Professor, Bradley Department of Electrical and Computer Engineering, Virginia Tech • Lt. Col., Army Reserve, Night Vision and Electronics Sensors Directorate • Major, U.S. Army Signal Corps • Staff officer, XVIII Corps (Airborne) • Staff officer, faculty, Air Force Institute of Technology • Published in <i>IEEE Transactions on</i>

				<p><i>Computers, IEEE Networks, IEEE Antennas and Propagation Magazine, IEEE Micro, International Journal in Computer Simulation, ORSA Journal on Computing, Concurrency Practice and Experience, and Journal of Parallel and Distributed Processing</i></p> <ul style="list-style-type: none"> • Research sponsored by Newport News Shipbuilding, Interactive Response Systems, the National Science Foundation, Virginia's Center for Innovative Technology, the Virginia State Police, the Federal Bureau of Investigation, and the U.S. Navy Surface Warfare Center • Senior Member, IEEE • Member, Sigma Xi • Member, Eta Kappa Nu • Member, Tau Beta Pi
Dr. Stephen H. Edwards	Ph.D., Software Engineering, The Ohio State University	M.S., Computer and Information Science, The Ohio State University B.S., Electrical Engineering, California Institute of Technology	CS 5744 Software Design and Quality	<ul style="list-style-type: none"> • Assistant Professor, Department of Computer Science, Virginia Tech • Assistant Professor, Department of Computer Science and Electrical Engineering and Scientist, Institute for Software Research, West Virginia University • Visiting Assistant Professor, Department of Computer Science, Virginia Tech • Senior Research Associate, Department of Computer and Information Science, The Ohio State University • Co-author, "A Framework for Detecting Interface Violations in Component-Based Software", special section of <i>IEEE Transactions on Software Engineering</i> • Author, "Representation Inheritance: A Safe Form of 'White Box' Code

				<p>Inheritance", special section of <i>IEEE Transactions on Software Engineering</i></p> <ul style="list-style-type: none"> • Member, Association for Computing Machinery • Publicity Chair, 9th Annual Workshop of Software Reuse (WISR9) • Co-Chair, 8th Annual Workshop on Software Reuse (WISR8) • Student Chapter Programming Coach, WVU, ACM • Affiliate, IEEE Computer Society • Publicity Co-Chair, 5th International Conference on Software Reuse (ICSR5) • Publicity Co-Chair, 4th International Conference on Software Reuse (ICSR4)
Dr. Scott F. Midkiff	Ph.D., Electrical Engineering, Duke University	M.S.E.E., Electrical Engineering, Stanford University B.S.E., <i>summa cum laude</i> , Electrical Engineering and Computer Science, Duke University	ECPE 4984 Fundamentals of Computer Systems ECPE 5516 Computer and Network Architecture	<ul style="list-style-type: none"> • Associate Professor, Bradley Department of Electrical and Computer Engineering • Technical Staff, AT&T Bell Laboratories • Visiting Research Associate, Carnegie Mellon University • Participant, SUCCEED (NSF Engineering Education Coalition) Technology-Based Curriculum Delivery Team • Published journal and conference papers on the topics of computer networks, parallel processing, computer-aided test of VLSI, systems engineering of computer-based systems, and engineering education • Research sponsored by DARPA, the National Science Foundation, Interactive Response Systems, Newport News Shipbuilding, Northern Telecom, the Software Productivity

				<p>Consortium, SpaceVest, and Virginia's Center for Innovative Technology</p> <ul style="list-style-type: none"> • Senior Member, IEEE • Member, IEEE Computer Society • Member, IEEE Communications Society • Member, ACM • Member, Program Committees, IEEE conferences and workshops • Regular reviewer for IEEE and other journals • Reviewed proposals for the National Science Foundation and other Federal and state agencies
Dr. Tarun K. Sen	Ph.D., Management Information Systems, University of Iowa	MBA, Indian Institute of Management, Bangalore, India B.Tech., Mechanical Engineering, IIT Kanpur	ACIS 5524 Advanced Database management ACIS 5534 Information Systems Design and Database Concepts	<ul style="list-style-type: none"> • Associate Professor of Accounting and Information Systems, Virginia Tech • Published in several journals, including: IEEE Transactions on Systems, Man, and Cybernetics; Management Science; INFORMS Journal on Computing; Decision Support Systems; International Journal of Intelligent Systems in Accounting, Finance, and Management; Omega; Behavior and Information Technology; Ohio CPA Journal • Research sponsored by the Waste Policy Institute through the Department of Energy, Virginia Tech ASPIRES program, and the Pamplin College of Business • Conducted full day workshops in enterprise database design concepts for the U.S. Navy • Organized conference for on Data Warehousing for I.T. professionals in Northern Virginia • Designed and developed a decision support system for hazardous waste management for the D.O.E.

				<ul style="list-style-type: none"> • Presented at over 20 national, regional, and international conferences and workshops • Member, Editorial Board, Journal of Information Systems • Reviewer for several journals in the I.S. area
Dr. William H. Tranter	Ph.D., Electrical Engineering, University of Alabama	M.S., Electrical Engineering, University of Alabama B.S., Electrical Engineering, University of Alabama	ECPE 4984 Fundamentals of Computer Systems ECPE 5654 Digital Communications ECPE 5664 Cellular Radio and Personal Communications	<ul style="list-style-type: none"> • Bradley Professor of Communications, Bradley Department of Electrical and Computer Engineering, Virginia Tech • Associate Director, Mobile and Portable Radio Research Group, Virginia Tech • Professor, University of Missouri-Rolla • Assistant and Associate Dean of Engineering for Graduate Affairs and Research, University of Missouri-Rolla • Schlumberger Professor of Electrical Engineering, University of Missouri-Rolla • Co-author, <i>Principles of Communications of Communications: Systems, Modulation and Noise</i>, 4th ed (Houghton Mifflin, 1976, 1985 and 1990, and Wiley, 1994) • Co-author, <i>Signals and Systems: Continuous and Discrete</i>, 4th ed., (Macmillan 1983, 1989 and 1993) • Published over 75 journal and conference papers, in <i>IEEE Transactions on Communications</i>, the <i>IEEE Journal on Selected Areas in Communications</i>, the <i>IEEE Communications Magazine</i>, and the <i>ICICE Transactions on Communications</i> (Japan) • Research sponsored by the National Science Foundation, DARPA, the Schlumberger Foundation, the National

				<p>Aeronautics and Space Administration, McDonnell-Douglas, GE Aerospace, and Batelle Memorial Laboratories</p> <ul style="list-style-type: none"> • Chair, Telemetry Committee, IEEE Communications Society • Chair, Data Communications Committee, IEEE Communications Society • Chair, Educational Services Committee, IEEE Communications Society • Chair, Communication Systems Integration and Modeling Committee, IEEE Communications Society • Editor-in-Chief, <i>IEEE Journal on Selected Areas in Communications (J-SAC)</i> • Senior Editor, <i>IEEE Journal on Selected Areas in Communications (J-SAC)</i> • Board of Governors, IEEE Communications Society • Director of Journals, IEEE Communications Society • Member, IEEE Awards Board • Chair, IEEE Alexander Graham Bell Award Committee • Recipient, IEEE Centennial Medal • Recipient, IEEE McLellan Meritorious Service Award • Elected Fellow, IEEE "for contributions in communications and signal processing research and for leadership in engineering education"
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