

**JEFFREY W. ROGERS, Ph.D., PE, CPE**  
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**P R O F E S S I O N A L   &   A C A D E M I C   E X P E R I E N C E**

**University of Virginia, Systems Engineering** *May 2005 to Present*  
Charlottesville, VA

POSTDOC RESEARCH. Provide research assistance and guidance to undergraduate and graduate students regarding development and implementation of a decision-making tool for the Albemarle County Board of Supervisors to predict temporal and spatial impacts of future increases in ground water withdrawal rates through continued urban sprawl.

**Region 2000 Local Government Council** *May 2000 to Present*  
Lynchburg, VA

PART-TIME ENGINEERING CONSULTANT. Provide professional civil engineering planning services for a variety of regional projects.

**University of Virginia, Systems Engineering** *Sept 1999 to May 2005*  
Charlottesville, VA

PH.D. RESEARCH. Dissertation case study focused on the development and implementation of an integrated performance assessment and evaluation model for ten locality CWS that operate as a regional water system to increase their ability to efficiently allocate limited financial resources.

**JWR Engineering, Inc.** *Jan 1999 to Present*  
Lynchburg, VA

PART-TIME ENGINEERING MANAGER. Responsible for all management aspects of the technical and business activities for the firm.

**Hurt & Proffitt, Inc.** *Sept 1995 to Dec 1998*  
Lynchburg, VA

PROJECT MANAGEMENT. Responsible for providing the full range of professional services and supervision for a variety of complex civil and facility systems.

**Ericsson, Inc.** *May 1995 to Sept 1995*  
Lynchburg, VA

CONTRACT MANAGEMENT. Responsible for providing construction management services on a contract basis for the construction and startup of a new 200,000 square foot expansion to an existing electronic production and office facilities.

**Central VA Community College** *Aug 1992 to May 1993*  
Lynchburg, VA

ADJUNCT PROFESSOR. Responsible for the development course content as well as the instruction and evaluation of students within the Engineering Division.

**Centra Health, Inc.** *July 1991 to May 1995*  
Lynchburg, VA

FACILITY MANAGEMENT. Responsible for providing direct personnel management and technical supervision of various daily plant engineering activities as related to

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the safety, environmental, transportation, operation and maintenance support services of an existing 500,000 square foot multi-building medical center complex.

**Western VA Community College**

*Aug 1989 to May 1991*

Roanoke, VA

ADJUNCT PROFESSOR. Responsible for the development lecture content as well as the instruction and evaluation of students within the Engineering Division.

**Des Moines Area Community College**

*Aug 1988 to May 1989*

Ankeny, IA

ADJUNCT PROFESSOR. Responsible for the development of lecture and lab content as well as the instruction and evaluation of students within the Engineering Division.

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**L I C E N S E   A N D   C E R T I F I C A T I O N**

**VDPOR Professional Corporation**

*Dec 31, 2007*

Richmond, VA

BUSINESS LICENSE # 0405-001143

**VDPOR Professional Civil Engineer**

*July 31, 2007*

Richmond, VA

PE LICENSE # 0402-027009

**Association for Facilities Engineering**

*Jan 5, 2007*

Cincinnati, OH

CERTIFIED PLANT ENGINEER # 2868

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**E D U C A T I O N**

**University of Virginia, SEAS**

*1999 to 2005*

Charlottesville, VA

PH.D. IN SYSTEMS ENGINEERING

**Old Dominion University, EMD**

*1994 to 1999*

Norfolk, VA

MASTER OF ENGINEERING WITH EMPHASIS IN MANAGEMENT

**University of Florida, BSED**

*1984 to 1987*

Gainesville, FL

MASTER OF ENGINEERING WITH EMPHASIS IN WATER RESOURCES

**Virginia Tech, BSED**

*1977 to 1981*

Blacksburg, VA

BS IN BIOLOGICAL SYSTEMS ENGINEERING

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**P H D   S U P P O R T I N G   A C T I V I T I E S**

**Part-time Water Resources Engineer**

*Aug 2004 to May 2005*

Region 2000 Local Government Council

COMPLETED REGIONAL WATER SUPPLY STUDY FOR APPOMATTOX AREA  
COMPLETING REGIONAL WATER AND SEWER NEEDS STUDY FOR REGION

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**Part-time Planner II** *Jun 2001 to Sept 2004*  
Region 2000 Regional Commission  
COMPLETED VARIOUS REGIONAL STUDIES AND GRANT APPLICATIONS FOR  
REGION 2000

**UVA Spring Term 2001** *Jan 2001 to May 2001*  
GRA for SYS 999  
CONDUCTED RESEARCH AND DEVELOPED GRANT PROPOSALS FOR PH.D.  
ADVISOR. AWARDED THREE-YEAR EPA STAR FELLOWSHIP IN AUG 2001

**UVA Fall Term 2000** *Sept 2000 to Dec 2000*  
GTA for SYS 201  
TUTORED UNDERGRADUATE STUDENTS AS WELL AS GRADED HOMEWORK  
AND PROJECT WORK

**UVA Spring Term 2000** *Jan 2000 to May 2000*  
GTA for SYS 434  
DEVELOPED GRADING SCHEME AS WELL AS GRADED HOMEWORK  
ASSIGNMENTS AND PROJECT WORK

**UVA Fall Term 1999** *Aug 1999 to Dec 1999*  
GTA for SYS 301  
GRADED HOMEWORK ASSIGNMENTS AND PROJECT WORK

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**C O N F E R E N C E   P R E S E N T A T I O N S**

**VWEA/VA-AWWA- Water Jam Joint Annual Conference** *Nov 2005*  
Virginia Beach, VA  
METHOD FOR ROBUST PERFORMANCE ASSESSMENT AND EVALUATION OF  
COMMUNITY WATER SYSTEMS

**IFORS-Triennial Conference** *July 2005*  
Honolulu, HA  
DEA-BASED DSS TOOL FOR COMMUNITY WATER SYSTEMS

**INCOSE-MARC: World Water & Environmental Resources** *Nov 2004*  
Arlington, VA  
MODEL OF A STANDARDIZED EFFICIENCY MEASURE TO ASSESS  
PERFORMANCE IN THE CWS SECTOR

**ASCE: World Water & Environmental Resources** *June 2003*  
Philadelphia, PA  
COMPARISON OF THE OLD AND NEW MSS PLANNING AND MANAGEMENT  
PARADIGMS

**AWRA: Specialty Conference** *July 2002*  
Keystone, CO  
MULTI-MEDIA FRAMEWORK FOR CONSOLIDATING THE MODERN  
ENVIRONMENTAL REGULATIONS, K-140

**SRA: Annual Conference** *Dec 2001*  
Seattle, WA  
STRATEGIC RISK MANAGEMENT: RISK AND OPPORTUNITY IN UPGRADING  
U.S. WATER & WASTEWATER INFRASTRUCTURE

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## C O N F E R E N C E P U B L I C A T I O N S

- ITOR-INFORS Special Publication Manuscript** *Sept 2005*  
Honolulu, HA  
FINANCIAL RESOURCE ALLOCATION MODEL FOR REGIONAL WATER SYSTEMS
- INCOSE-MARC Proceedings Paper** *Nov 2004*  
Arlington, VA  
MODEL OF A STANDARDIZED EFFICIENCY MEASURE TO ASSESS PERFORMANCE IN THE CWS SECTOR
- SIE Technical Paper, 040007** *Aug 2004*  
Charlottesville, VA  
RISK AND OPPORTUNITY IN UPGRADING THE U.S. DRINKING WATER INFRASTRUCTURE SYSTEM
- ASCE Proceedings Paper, 414** *June 2003*  
Philadelphia, PA  
COMPARISON OF THE OLD AND NEW MSS PLANNING AND MANAGEMENT PARADIGMS
- AWRA Proceedings Paper, K-140** *July 2002*  
Keystone, CO  
MULTI-MEDIA FRAMEWORK FOR CONSOLIDATING THE MODERN ENVIRONMENTAL REGULATIONS
- ASAE Proceedings Paper** *Dec 1987*  
Chicago, IL  
USING LANDSAT DATA FOR LAND-USE CLASSIFICATION IN AGRICULTURAL LAND PERMITTING PROGRAM
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## A C H I E V E M E N T S

- AWWA-Journal Archival Article** *Oct 2005*  
Denver, CO  
STANDARD EFFICIENCY METRIC FOR EVALUATING THE PERFORMANCE OF COMMUNITY WATER SYSTEMS
- PhD Dissertation Defense** *May 2005*  
Systems Information Engineering Department  
A STANDARDIZED PERFORMANCE ASSESSMENT AND EVALUATION MODEL FOR THE COMMUNITY WATER SERVICES
- EPA STAR Fellowship Awarded** *Aug 2001*  
Washington, D.C.  
AWARDED THREE-YEAR RESEARCH FELLOWSHIP FOR PHD RESEARCH
- Applied Engineering Periodical Article** *May 1990*  
Magazine for ASAE Society  
LAND USE CLASSIFICATION IN AGRICULTURAL WATER USAGE PERMITTING PROGRAM VIA LANDSAT DATA
- Masters Thesis Defense** *May 1987*  
Gainesville, FI  
USING LANDSAT DATA TO ASSESS LAND-USE CHANGES IN FLORIDA
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