

**ANDREW A. DYMEK, PE**  
**Partner**

***Education***

Master of Science, Mechanical Engineering, 1986  
Georgia Institute of Technology, Atlanta, GA  
Bachelor of Mechanical Engineering, 1985  
Georgia Institute of Technology, Atlanta, GA  
Bachelor of Science, Industrial Management, 1979  
Georgia Institute of Technology, Atlanta, GA

***Licensure***

National Council of Examiners for Engineering and  
Surveying (NCEES)  
Licensed Professional Engineer (PE) in Alabama, Florida,  
Georgia, and North Carolina  
Leadership in Energy and Environmental Design  
(LEED™) Accredited by the USGBC

***Professional Affiliations***

Member, American Society of Heating, Refrigerating and  
Air-Conditioning Engineers, Inc. (ASHRAE)  
Member, Society for College and University Planning  
(SCUP)  
Member, American Industrial Hygiene Association (AIHA)  
Member, ASHRAE Technical Committee TC 9.10,  
Laboratory Systems  
Georgia Biomedical Partnership

***Presentations***

Seminar, ASHRAE Annual Summer Meeting, "How to  
Classify Laboratories" Kansas City, Missouri, June,  
2003  
Seminar, Labs21 Conference, "Hazard Classifications for  
Laboratories" St. Louis, Missouri, October, 2004  
Seminar, Lab Design Conference, "Energy Recovery  
Systems for Laboratories" Houston, Texas, March, 2005  
Judge, 38th Annual Lab of the Year Competition, "co-  
sponsored by R&D Magazine and SEFA", 2004  
Seminar, TurnKey Conference, "Planning and Design of  
Vivarium Facilities Architectural / Engineering Design  
Considerations" Baltimore, Maryland, April, 2006  
Seminar, Lab Design Asia Conference, "Designing Safe,  
Flexible & Energy Efficient Laboratories - MEP Engineer  
Perspective" Singapore, August, 2006

***Publications***

"Classification System Would Improve Lab Design,  
Engineering" *Laboratory Design*, December 2003, Vol.  
8, No. 12

***Experience Summary***

Prior to joining Newcomb & Boyd, Mr. Dymek was employed for one year with Science Applications International Corporation, Atlanta, Georgia; one year as a Graduate Research Assistant at the Woodruff School of Mechanical Engineering, Georgia Institute of Technology, Atlanta, Georgia; and four years with SKF Industries, Orlando, Florida.



Mr. Dymek joined Newcomb & Boyd in 1988 and was named an Associate of the firm in 1995, an Associate Partner in 2000, and a Partner in 2004. His work with the firm has included mechanical engineering, project management, and partner-in-charge responsibilities on more than 190 projects.

**STEVEN F. BRUNING, PE**  
**Partner**

**Education**

Bachelor of Mechanical Engineering, 1976  
Georgia Institute of Technology, Atlanta, GA

**Licensure**

National Council of Examiners for Engineering and Surveying (NCEES)

Licensed Professional Engineer (PE) in Alabama, Colorado, the District of Columbia, Florida, Georgia, Indiana, Kentucky, Louisiana, Maryland, Michigan, Mississippi, Missouri, New Mexico, North Carolina, Ohio, South Carolina, Tennessee, Virginia, Washington, and West Virginia

Leadership in Energy and Environmental Design (LEED) Accredited Professional by the USGBC.

**Professional Affiliations**

Member, National Society of Professional Engineers (NSPE)

American Jail Association (AJA)

American Correctional Association (ACA)

Member, National Society of Professional Engineers (NSPE)

Member, Council on Tall Buildings and Urban Habitat (CTBUH)

Member, American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. (ASHRAE)

National Fire Protection Association (NFPA)

Member and Past Chairman, ASHRAE TC 4.1, Heating and Cooling Load Calculation Procedures

Past Member, ASHRAE TC 4.7, Energy Calculations

Past Chairman, ASHRAE Handbook Committee

Past Section Head, ASHRAE Section 9, Large Building Air Conditioning

Past Voting Member, ASHRAE Technology Council

Rotary Club of Atlanta

Apec, Inc.

**Presentations**

Seminar, 2002 ASHRAE Annual Meeting, "RTS Method" Honolulu, Hawaii, June, 2002

Seminar, 2003 ASHRAE Annual Meeting, "Current Load Calculation Technology: Radiant Time Series" Kansas City, Missouri, June, 2003

Seminar, 2001 ASHRAE Winter Meeting, "Cooling Load Methodology Comparison" Atlanta, Georgia, January, 2001

Seminar, 2003 ASHRAE Winter Meeting, "Load Calculations Sensitivity Analysis" Chicago, Illinois, January, 2003

Seminar, 2002 ASHRAE Winter Meeting, "Weather Data Selection, How It Can Impact Typical Design Loads?" Atlantic City, New Jersey, January, 2002

Seminar, 2004 ASHRAE Winter Meeting, "Radiant Time Series Case Study" Anaheim, California, January, 2004

**Publications**

"Lighting, Equipment, Occupants, A New Way To Calculate Cooling Loads" *ASHRAE Journal*, January 2004, Vol. 46, No. 1

**Experience Summary**

Mr. Bruning joined Newcomb & Boyd in 1973 while attending Georgia Tech; he earned his Bachelor of Mechanical Engineering degree while working full time with the firm. He was named an Associate of the firm in 1978, and became a Partner in 1984. His work has included mechanical engineering, project management and partner-in-charge responsibilities on more than 1,400 projects with the firm.



# CHRISTOPHER P. ROUSSEAU, PE

Partner

## Education

Bachelor of Mechanical Engineering, 1981  
Georgia Institute of Technology, Atlanta, GA

## Licensure

National Council of Examiners for Engineering and Surveying (NCEES)  
Licensed Professional Engineer (PE) in Alabama, California, Florida, Georgia, Indiana, Kentucky, Michigan, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, and West Virginia  
Leadership in Energy and Environmental Design (LEED) Accredited Professional by the USGBC

## Professional Affiliations

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. (ASHRAE)  
Member, National Society of Professional Engineers (NSPE)  
Member, National Fire Protection Association (NFPA)  
Associate, American Society for Healthcare Engineering (ASHE)  
Georgia Society of Professional Engineers (GSPE)  
Member, Florida Healthcare Engineering Association (FHEA)  
Georgia Society for Hospital Engineers (GSHE)  
U.S. Green Building Council (USGBC)  
Past Chairman, ASHRAE SPC154P, Ventilation for Commercial Cooking Operations  
Past Chairman, ASHRAE TC 9.8, Healthcare Subcommittee  
Member and Past Chairman, ASHRAE TC 9.8, Large Building Air Conditioning Applications  
Member, ASHRAE TC 9.10, Laboratory Systems  
Member, ASHRAE TG 5.10, Kitchen Ventilation  
Past President, ASHRAE Atlanta Chapter  
Member, former Georgia AIA/Georgia Power Cooperative Energy Committee  
AIA Committee to Revise the Healthcare Facilities Guidelines for Construction and Equipment of Hospitals and Medical Facilities

## Presentations

Panel Discussion, American Society for Healthcare Engineering's 35th Annual Conference and Technical Exhibition, "HVAC Systems in Healthcare Facilities: Design Standards and the Use of Plenums" Denver, Colorado, 1998  
Panel Discussion, American Society for Healthcare Engineering's 34th Annual Conference and Technical Exhibition, "HVAC System Design - How Much Is Enough?" San Antonio, Texas, 1997  
Seminar, Georgia Tech Research Institute, "Controlling Hazards Through Ventilation" Atlanta, Georgia, 1992

Seminar, American Society for Healthcare Engineers, "How to Ensure a Successful Hospital Renovation Project" Philadelphia, Pennsylvania, 1999  
Seminar, AHCA, "AIA Guidelines for Healthcare Facilities" Orlando, Florida, 1995

Seminar, The International



Symposium on Laboratory Design," Laboratory Ventilation " College Park, Maryland, July, 2005  
Seminar, The International Symposium on Laboratory Design, "Laboratory Commissioning" College Park, Maryland, July, 2005  
American Institute of Architects' National Convention & Expo, "The Commissioning of Smart and High Tech Buildings" Charlotte, North Carolina, 2002  
ASHRAE Triangle Chapter, "How to Ensure a Successful Hospital Renovation Project" Raleigh, North Carolina, 2001

## Publications

"HVAC System Provisions to Minimize the Spread of Tuberculosis Bacteria" *ASHRAE Transactions*, February 1993, Vol. 99, Part 2  
"Keeping TB in Check" *Consulting-Specifying Engineer*, October 1997  
"Kitchen Ventilation" *ASHRAE Journal*, September 1995, V.37, n.9  
"Updated Guidelines for Design and Construction of Hospital and Health Care Facilities" *ASHRAE Journal*, June 2006, Vol. 48, No. 6  
"Complying with USP 797: Designing Hospital Pharmacy HVAC Systems" *ASHRAE Journal*, February 2007, Vol. 49, No. 2

## Awards

Emory Eye Center and Clinic Addition, Atlanta, GA; First Place Energy Award, ASHRAE, 1985  
Council of Outstanding Young Engineering Alumni, Georgia Institute of Technology, 1995

## Experience Summary

Mr. Rousseau joined Newcomb & Boyd immediately upon graduation from Georgia Tech, as a mechanical engineer. He was named an Associate of the firm in 1986, an Associate Partner in 1991, and a Partner in 1995. During this time he has had responsibilities on more than 800 projects.

**STEPHEN M. SESSLER, PE**  
**Partner**

**Education**

Bachelor of Mechanical Engineering, 1970  
Georgia Institute of Technology, Atlanta, GA

**Licensure**

National Council of Examiners for Engineering and Surveying (NCEES)

Licensed Professional Engineer (PE) in Alabama, Arizona, Arkansas, Connecticut, Florida, Georgia, Illinois, Iowa, Kentucky, Louisiana, Minnesota, Mississippi, Missouri, North Carolina, South Carolina, Tennessee, Utah, Virginia, West Virginia, and Wisconsin

Leadership in Energy and Environmental Design (LEED) Accredited Professional by the USGBC

**Professional Affiliations**

Member, former AIA Advisory Board, Center for Advanced Technology Facility Design

Florida Board of Professional Engineers

Member, Metro Atlanta Chamber of Commerce

Member, International Code Council

American Society for Heating, Refrigerating, and Air Conditioning Engineers (ASHRAE)

Member, National Council of Acoustical Consultants (NCAC)

Member, National Society of Professional Engineers (NSPE)

Georgia Society of Professional Engineers (GSPE)

Building Officials and Code Administrators International (BOCAINT)

Audio Engineering Society (AES)

American Association of Airport Executives (AAAE-SEC)

Institute of Noise Control Engineering (INCE)

Allied Member, American Institute of Architects (AIA)

Central Atlanta Progress (CAP)

Southern Building Code Congress International (SBCCI)

Past Chairman, ASHRAE TC 2.6, Committee on Sound and Vibration

Past Vice-Chairman, GSPE Ethical Practices Committee

Construction Business Review - Editorial Advisory Board

**Presentations**

AIA Center for Building Performance and Regulations, and the AIA Center for Advanced Technologies Facilities Design, "Building Performance: The Architect/Engineer Collaboration" Washington, District of Columbia, April, 1996

**Publications**

"Management: Making the Architect-Engineer Relationship Work" *Architectural Record*, February 1987

"Evaluating Owner's Selection Procedures" *Architectural Record*, March 1992

"Chapter 13-Airports, Airport Subchapter" *Facilities Engineering and Management Handbook: An Integrated Approach*, 2001

**Awards**

Willis H. Carrier Award, American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. (ASHRAE), 1976



**Experience Summary**

Mr. Sessler joined Newcomb & Boyd immediately upon graduation from Georgia Tech; he became an Associate of the firm in 1973 and a Partner in 1984. His work with the firm has included responsibilities on more than 2,600 projects.

**WILLIAM W. DEAN, PE**  
**Partner**

***Education***

Master of Science, Mechanical Engineering, 1979  
Stanford University, Palo Alto, CA  
Bachelor of Mechanical Engineering, 1977  
Georgia Institute of Technology, Atlanta, GA

***Licensure***

National Council of Examiners for Engineering and Surveying (NCEES)  
Licensed Professional Engineer (PE) in California, Georgia, Kentucky, Louisiana, New Jersey, New York, North Carolina, Massachusetts, Michigan, Mississippi, Oklahoma, Pennsylvania, Rhode Island, South Carolina, Texas, and Virginia  
Leadership in Energy and Environmental Design (LEED) Accredited Professional by the USGBC

***Professional Affiliations***

American Correctional Association (ACA)  
American Society for Heating, Refrigerating, and Air Conditioning Engineers (ASHRAE)  
Member, American Society of Testing Material (ASTM)  
Member, American Association of Airport Executives (AAAE)  
Past Chairman, ASHRAE TC 5.8, Industrial Ventilation  
U.S. Green Building Council (USGBC)  
Rotary Club of Atlanta

***Presentations***

AIA Center for Building Performance and Regulations and the AIA Center for Advanced Technologies Facilities Design, "Building Performance: The Architect/Engineer Collaboration" Washington, District of Columbia, April, 1996

***Publications***

"Biomass Gas" *Georgia Professional Engineer*, July/August 1982  
"Education, Experience, Examination and Enforcement" *The Georgia Engineer*, October/November 2004

***Awards***

Academy of Distinguished Engineering Alumni, Georgia Institute of Technology, 2002

***Experience Summary***

Following his undergraduate work at Georgia Tech, Mr. Dean worked at the National Laboratories at Oak Ridge, Tennessee. He then continued his studies at Stanford University. Upon obtaining his Master of Science degree, he moved to Macon, Georgia, where he was employed by a consulting engineering firm for two years prior to starting his own consulting practice which operated for four years.

He joined Newcomb & Boyd in 1985, was named an Associate of the firm in 1986, an Associate Partner in 1991, and became a Partner in 1995. During this time he has had mechanical engineering, project management and partner-in-charge responsibilities on more than 800 projects.



**ROBERT A. HOWELL, PE**  
**Partner**

***Education***

Bachelor of Mechanical Engineering, 1982  
Georgia Institute of Technology, Atlanta, GA

***Licensure***

Licensed Professional Engineer (PE) in Georgia,  
Alabama, Florida, North Carolina, South Carolina,  
Maine, New Hampshire, Delaware, Nevada and  
Hawaii

National Council of Examiners for Engineering and  
Surveying (NCEES)

Leadership in Energy and Environmental Design (LEED)  
Accredited Professional by the USGBC

***Professional Affiliations***

American Society of Heating, Refrigerating and Air-  
Conditioning Engineers, Inc. (ASHRAE)

Member, National Society of Professional Engineers  
(NSPE)

Georgia Society of Professional Engineers (GSPE)

***Experience Summary***

Mr. Howell was employed with a consulting engineering firm in Atlanta, Georgia, for six years as a mechanical engineer where his work included numerous laboratory and research facilities, and projects located on college and university campuses.

In 1988 Mr. Howell joined Newcomb & Boyd; he was named an Associate of the firm in 1991, an Associate Partner in 2000, and a Partner in 2004. His work experience has included mechanical engineering, project management, and partner-in-charge responsibilities on more than 200 projects.



**JAMES H. COSTLEY, JR, PE**  
**Partner**

***Education***

Bachelor of Electrical Engineering, 1969  
Georgia Institute of Technology, Atlanta, GA

***Licensure***

National Council of Examiners for Engineering and Surveying (NCEES)

Licensed Professional Engineer (PE) in Alabama, Arizona, California, District of Columbia, Florida, Georgia, Indiana, Kentucky, Louisiana, Maryland, Michigan, Mississippi, New Mexico, New York, North Carolina, Oklahoma, Pennsylvania, Rhode Island, South Carolina, Tennessee, Texas, Virginia, Washington, and West Virginia

Registered Communications Distribution Designer (RCDD)

***Professional Affiliations***

Member, American Society for Healthcare Engineering (ASHE)

National Society of Professional Engineers (NSPE)

National Fire Protection Association (NFPA)

Georgia Society of Professional Engineers (GSPE)

Building Industry Consulting Service International (BICSI)

Member, Florida Healthcare Engineering Association (FHEA)

Georgia Society for Hospital Engineers (GSHE)

Principal Member, Technical Committee on Electrical Systems for NFPA 99, Standard for Health Care Facilities

Member, HCS Codes and Standards Review Committee for the Health Care Section of the NFPA

***Experience Summary***

After earning his degree from Georgia Tech, Mr. Costley was employed for four years by the Western Electric Company, Defense Activities Division, as a development engineer on roving field assignments with U.S. and allied forces. He joined Newcomb & Boyd in 1973 and his work has included the design of electrical distribution, power, communications, alarm and signaling, and control systems for institutional, commercial, and industrial projects. In 1978, he left the firm to join Bartenfeld Electric Company.

Mr. Costley rejoined Newcomb & Boyd in 1981, becoming an Associate of the firm in 1982, an Associate Partner in 1991, and a Partner in 1995. His experience has included electrical engineering, project management and Partner-In-Charge responsibilities on more than 800 projects.

