

**David B. Williams, PhD, ScD**

Monte Ahuja Endowed Dean's Chair

Executive Dean of the Professional Colleges, Dean of The College of Engineering  
The Ohio State University

**EXECUTIVE DEAN OF THE OHIO STATE UNIVERSITY PROFESSIONAL COLLEGES,  
2012-PRESENT**

**PRINCIPAL RESPONSIBILITIES**

Convene leaders of seven colleges responsible for over 900 faculty and 26,000 students.  
Develop strategies in areas of common interest (e.g. professional education and eLearning)  
Represent colleges at President/Provost meetings and Senior Management Council  
Executive leadership team for University Discovery Themes (\$500M investment over 5 years)  
Lead Dean in Energy and Environment Discovery Theme (hired >50 new faculty across 8 colleges)  
Member of Energy Academic Collaboration Council (implementing academic portion of \$1.2B Comprehensive Energy Management plan)  
Represent the University President on The Business Higher Education Forum  
Represent the University president on the Council on Competitiveness, Global Council on Competitiveness and Technology Leadership and Strategy Initiative

**DEAN, COLLEGE OF ENGINEERING, THE OHIO STATE UNIVERSITY, 2011-PRESENT**

**PRINCIPAL ACADEMIC RESPONSIBILITIES**

Lead 950 faculty and staff and over 10,000 students  
Responsible for \$250M annual budget  
Set mission, vision and goals for the college; implement the college's strategic plan  
Grow long-term partnerships with Battelle, Honda, GE Aviation, Boeing and other key industry partners  
Board of The Metro Early College STEM School (Board Chair 2012-2014)  
Global Engineering Deans Council (2016- present)  
ASEE Engineering Deans Council (2011-present) Public Policy Committee (2013-present)  
Ohio Engineering Deans Council (2011-present)  
Chair Search Committee for Dean of College of Food, Agricultural and Environmental Sciences (2013)  
Member, Search Committee for Dean of Fisher College of Business (2014)  
Member, Search Committee for Dean of College of Food, Agricultural and Environmental Sciences (2016)  
Chair, Search Committee for Senior Vice President for Research (2018)  
Faculty Senate and Senate Fiscal Committee member (2011- present)

**PRINCIPAL ACADEMIC ACHIEVEMENTS**

Built Advancement team and met \$350M campaign goal 9 mo. early. Set goals for next campaign at \$500M  
Created a diverse leadership team at the college level and successfully appointed or re-appointed leaders of all 12 college academic units, three associate deans, two assistant deans, CIO, two CAOs, CDIO

Hired over 180 new/replacement faculty over five years (>40% women and underrepresented minorities)

Managed largest increase in undergraduate enrollment in college history combined with record increase in freshman class quality

Created new Engineering Education Department; attracted new Chair (Monica Cox) from Purdue

Created new BS in data analytics with College of Arts & Science and new honors track in integrated business and engineering with Fisher College of Business

New minor in Science Engineering and Public Policy, joint with the John Glenn College of Public Affairs

Created college's first fully on-line masters degree in Global Engineering Leadership

Joint BS/MS and PhD degree programs with Shanghai Jiao Tong and Xian Jiao Tong Universities

All departments received 6 year ABET re-accreditation (2011)

Facilitated creation of the nation's best electron microscopy center for materials (CEMAS)

Partnered in largest research award (\$148M) to OSU creating The American Lightweight

Materials Manufacturing Innovation Institute (ALMMII) with EWI and University of Michigan

Hired first industry head of a research center (Center for Design & Manufacturing Excellence)

Best fundraising year in College history (2015-\$67M); total of \$250M over last five years

Managed annual increases in budget and maximum faculty/staff pay raises each year

Record years in terms of invention disclosures, patenting, licensing and small business creation

Master agreements executed with Honda and Boeing

Partnered with VP Research to build a Proposal Business Development Center, attracting program leaders from Battelle, Huntsville, AL and DARPA

Created high profile, diverse External Advisory Council including CEOs and VPs of major partner companies (e.g. AEP Ohio, Aera Energy, Battelle, Box, Columbus2020, GE Aviation, Honda North America, Huntington Bank, IBM, Lincoln Labs, LyondellBasell, National Academy of Engineering, Parker Hannifin)

Successfully mentored direct reports who have moved to greater roles;

Mary Juhas, now AVP For Gender Initiatives in STEM

Dan Kramer, now AVP for Industry Liaison

Jennifer Evans Cowley, now Provost, University of North Texas

Matt McNair, now VP for Corporate Engagement and Outreach

Mike Benzakein, now AVP for Aerospace and Aviation

Randy Moses, now SAVP for Research /interim SVP for Research

## **INFRASTRUCTURE**

Chemical and Biomolecular Engineering and Chemistry building construction completed and opened, 2015.

\$69M committed to SMART center at TRC, 2017 (State, University and College).

\$12M committed to Route 33 Smart Corridor, 2017 (Federal, State and Local).

\$124M Honda commitment to wind tunnel at TRC, construction commenced 2017

\$20M Honda commitment to antenna facility at TRC (designed with ESL faculty).

Building 40G secure network to move large data sets between units and the SOCC.

New \$15M terminal/flight education facility at Don Scott Field. 4 new T-hangars for 50

small planes constructed, new corporate hangars planned.  
CDME conceived, planned and formally opened, 2017  
First Phase of Biomedical and Materials Engineering Complex, design complete,  
construction starting May 2018

#### **LOCAL, REGIONAL, POLITICAL AND ECONOMIC DEVELOPMENT RESPONSIBILITIES**

Strong relationships with key members of Ohio delegation in DC and Ohio House and Senate  
Board of Columbus 2020 (<http://columbusregion.com/Home.aspx>)  
Board of Ohio Aerospace and Aviation Council (<http://ohioaerospacestrategy.org/overview/>)  
Board of The Ohio Aerospace Institute (<http://www.oai.org>) (2011-2014)  
Advisory Board of The Ohio Third Frontier (\$2.1B initiative to transform existing industries and  
create new industries) ([http://development.ohio.gov/bs\\_thirdfrontier/default.htm](http://development.ohio.gov/bs_thirdfrontier/default.htm))  
Member, Ohio Aerospace and Aviation Technology Committee  
(<http://aerospaceandaviation.ohio.gov>)  
Board President, The Transportation Research Center (<http://www.trcpg.com>)  
Board of LIFT; Lightweight Innovations for Tomorrow, under ALMMII (\$150M/5 year White  
House initiative to create national manufacturing hubs)  
Board of EWI (former Edison Welding Institute) (<http://ewi.org>) (2012-2017)  
Worked with Ohio House and Senate leadership to create the Ohio Federal Military Jobs  
Commission and the Federal Research Network (received >\$30M from the State, leveraged >  
\$50M in external awards)

#### **5<sup>TH</sup> PRESIDENT, THE UNIVERSITY OF ALABAMA IN HUNTSVILLE, 2007-2011**

##### **PRINCIPAL RESPONSIBILITIES**

Leader, 1200 faculty and staff, 7700 students  
\$180M annual budget  
Local and national voice of the University  
Worked with Presidents of Alabama-Tuscaloosa and Alabama-Birmingham as part of UA system  
Reported to the Chancellor of the UA system and the UA Board of Trustees  
Developed and implemented the first university strategic plan. Crafted strategic mission statement  
and “Power of Ten” goals for academic growth.

##### **PRINCIPAL ACHIEVEMENTS**

Led UAHuntsville into Carnegie Foundation ‘very high research activity’ classification (smallest  
out of 75 public universities in that category)  
Research expenditures grew from \$63M (2006-07) to \$100M (2011-12) reaching our Power of Ten  
goal; the most expenditures for any public university of our size  
Charted a course through the nation’s largest reduction (30%) in state appropriations  
Continued growth in cash reserves, academic programs, research awards and expenditures, student  
numbers and quality, corporate and personal donations during the recession  
Over \$110M in construction and renovation of academic buildings and student residences  
\$100M more budgeted for 2011-2014 with \$50M committed from university, state and federal  
sources and \$35M identified  
Rebuilt the Advancement Office from scratch, increasing all fundraising metrics

Re-branded UAH as UAHuntsville building on visibility of Huntsville's NASA-Marshall, Redstone Arsenal, Cummings Research Park, the US Space and Rocket Center and Space Camp  
Maintained lowest tuition/fees/housing/meals/parking costs of all peer AL universities  
Ranked by USNews among top 25 "most popular" research universities  
Ranked by USA Today/Princeton Review as #22 "best value" university in the nation  
Managed the aftermath of an unprecedented on-campus shooting of five faculty and staff  
Built first international partnerships with Universität Rostock (Germany) and CATHALAC (Panama)  
Raised the quality of commencement speakers and campus visitors including: James Cartwright (Vice Chair of the Joint Chiefs of Staff), Michael Griffin (NASA Administrator), Kristina Johnson (Deputy Undersecretary for Energy), Abdul Kalam (former President of India), Lisa Porter (IARPA Director), Harrison (Jack) Schmitt (Moonwalker), Neil deGrasse Tyson, (celebrity scientist), Tom Wolfe (author)

### **LOCAL, REGIONAL, POLITICAL AND ECONOMIC DEVELOPMENT**

Strong relationships with congressional delegations in Alabama and Tennessee  
Partnerships with leading universities, national labs and research organizations  
Board of Tennessee Valley Corridor: hosted the fall 2010 TVC meeting on campus  
Established offices of national organizations at UAHuntsville:  
○ Oak Ridge National Laboratory - ORNL has offices on only one US campus  
○ Savannah River National Laboratory  
○ Y-12 National Security Complex  
Partnered with Pratt & Whitney Rocketdyne in their first campus "skunk works"  
Led a team of defense-contractor CEOs, NASA Marshall Director, and Huntsville Chamber of Commerce to persuade Redstone Arsenal commanding generals to revise US Army/DoD rules to permit hiring of graduates, co-ops and interns on federal contracts. Extended the agreement to the Missile Defense Agency, the Army Aviation and Missile Command and the Space and Missile Defense Command  
Opened a branch of the Alabama Development Office (ADO) on campus:  
○ Played a role with ADO in bringing Raytheon Missile Systems to Huntsville  
○ Increased university's role in Alabama Technology Roadmap, directed via ADO  
Founder member of the Alabama Innovation Council (2010)  
Elected to the Alabama Business Council (2011)

### **FEDERAL/STATE RELATIONS**

Worked with Van Scoyoc Associates, Alabama Senators and members of House in D.C.  
Raised \$15.8M from DOD, NOAA, NASA, DOT, DOE to enhance research  
Secured a \$25M state/federal grant/appropriation through direct negotiations with Governor Riley and Senator Shelby, to build a new Center for Systems Studies  
Coordinated a team proposal (NASA-Marshall, Redstone Arsenal, ORNL, NRL) to re-locate NSF's National Solar Observatory Directorate to Huntsville  
Secured a \$15M state economic-development commitment from Governor Riley and Governor-elect Bentley, to house the National Solar Observatory Directorate  
Built a partnership with the German Aerospace Center (Deutsches Zentrum für Luft und Raumfahrt (DLR)) to foster international space cooperation in Huntsville

### **TECHNOLOGY TRANSFER**

MOU signed between UAHuntsville and Biztech (private incubator facility)  
Hired first Director of Office of Technology Commercialization  
Co-founded Technology Innovation Council with Huntsville Chamber of Commerce  
First community-wide entrepreneurship workshop to broaden base of start-up companies

### **FUNDRAISING**

Average annual corporate gifts increased by 150% from 07-10 compared to 2000-07  
First \$1M gift received in the last decade  
Increased major donors by 20% compared to sum of previous 45 years  
Aggregate increase of 75% in value of annual gifts from major donors compared to 2006  
Over 2000 university/community visitors hosted annually at the Lowe House  
Ten corporate alumni chapters opened on Cummings Research Park and Redstone

### **COMMUNITY LEADERSHIP**

Gubernatorial appointment to Board of Alabama Space Science and Education Council  
Executive Board of Chamber of Commerce of Huntsville-Madison County  
Board of the Huntsville Botanical Gardens  
Board of Huntsville Chorale Society  
Board of Huntsville Committee of 100  
Board of United Way of Madison County  
Huntsville Rotary Club

## **VICE PROVOST FOR RESEARCH, LEHIGH UNIVERSITY, 2000-2006**

### **PRINCIPAL RESPONSIBILITIES**

Develop and grow university research expenditures  
Initiate and create partnerships with other universities, local and national industries  
Work with Government Relations to obtain appropriations from federal and state governments to increase research and economic development

### **PRINCIPAL ACHIEVEMENTS**

Created Office of the VPR (Associate VPR, two Program Developers, 1.5 Staff)  
Defined University's 5-year research strategy and VPR goals  
Created Commonwealth of PA's Research Advisory Council, comprising VPRs from Carnegie Mellon, Drexel, Lehigh, Penn, Penn State, Pitt and Temple  
Research expenditures rose > 80% from ~\$26M in 99-00 to ~\$48M in 05-06; indirect-cost returns rose from ~\$4M in 99-00 to ~\$7M in 05-06

### **LOCAL/REGIONAL ECONOMIC DEVELOPMENT**

Executive Board of the Ben Franklin Technology Partnership of NE PA: BFTP offers early-stage investment and incubator space. Built TechVentures1, the largest incubator in PA (<http://nep.benfranklin.org/incubator-network/ben-franklin-techventures>); in 2010 it was almost doubled in size with the building of TechVentures2  
Executive Board of the Life Science Greenhouse of Central PA (<http://www.lsgpa.com/>) creating entrepreneurial partnerships between universities and life-science industries

Executive Board of the Da Vinci Discovery Center (<http://www.davinci-center.org/>) (2001-05):  
DVDC serves 45,000 students annually in 25 school districts in PA and NJ  
Implemented the first Keystone Innovation Zone proposal with BFTP, Lehigh Valley Economic Development Corporation, City of Bethlehem and other local organizations  
Coordinated eight Lehigh industrial-liaison officers, responsible for >130 industrial research programs; synchronized industrial outreach with Office of Corporate Relations  
Board Member, Electron Energy Corporation, Landisville, PA

#### **TECHNOLOGY TRANSFER**

Established Office of Technology Transfer, Entrepreneurial Research and Education (<http://www.lehigh.edu/~intecrn/>) and raised \$2.2M to staff and run the Office.  
Hired Office Director, Professor of Practice in entrepreneurship and staff assistant  
Created advisory board (30 alumni with entrepreneurial/venture capital background)  
Generated licensing agreements, invention disclosures and patent applications at or above the national average for universities of similar size, within the first year of operation  
Created Lehigh's IP policy (<http://www.lehigh.edu/~policy/university/ip.htm>).  
Created Lehigh "Venture Capital" fund for faculty writing SBIR and STTR proposals.  
Created faculty committee to re-vamp university conflict of interest policy.

#### **FEDERAL/STATE APPROPRIATIONS**

Coordination of federal appropriations agenda with Van Scoyoc Associates in D.C.  
Coordination of state appropriations agenda with Stevens and Lee in Harrisburg  
Pennsylvania Infrastructure Technology Alliance: partnership of NSF Engineering Research Centers at Lehigh and Carnegie Mellon; \$25M PA appropriations 00-06  
Started NASA appropriations initiative: visits to NASA headquarters; NASA Ames, Goddard, Langley and Glenn; partnership agreement with Goddard, 6/05. NASA appropriation of \$4M in 06/07 with nanocharacterization / nanomaterials theme  
Total federal appropriations 2000-06: \$25M. Total state appropriations 00-06: \$46M

#### **DEVELOPMENT ACTIVITIES**

Solicited Peter and Ada Rossin's lead trust gift of \$25M to endow Lehigh's College of Engineering and Applied Science. Until 2009, this was the single largest donation in Lehigh's history  
Secured \$2M endowed Chair from The Loewy Foundation  
Endowed Chair for the Director of the Center for Optical Technologies (>\$3M) in 2002 and >\$4M for the construction of Smith Family Laboratory to house the Center in 2004  
Presentations on Lehigh research to alumni groups to aid the Development Office and the Alumni Association (part of successful \$500M 'Shine Forever' campaign)