



Honoring Academic Invention and Innovation

**State University System of Florida
Board of Governors
March 16, 2016**



Inside Today's Presentation

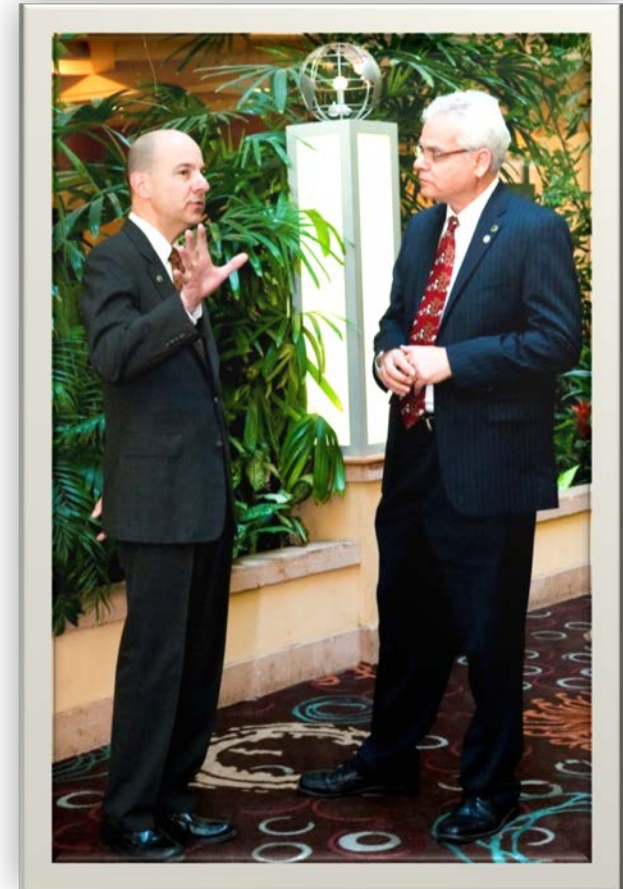
- Brief overview of the National Academy of Inventors
- Highlights of two innovative Florida researchers
- NAI Fellow Nan-Yao Su, University of Florida
- Richard Maulsby, U.S. Patent and Trademark Office
- Questions



Academic Innovation and the National Academy of Inventors

Founded in Florida in 2010 to:

- **Recognize and encourage** inventors with patents issued from the U.S. Patent and Trademark Office
- Academic collaborator of the **USPTO**
- Enhance the **visibility** of academic technology and innovation
- Encourage the **disclosure** of intellectual property
- Educate and **mentor** innovative students
- Translate the inventions of its members to **benefit society**



“The NAI is a breakthrough for our country. It couldn't be more timely to have an organization like this to be championing innovation.” - David Kappos, Former Under Secretary of Commerce



Working Together: NAI Member Institutions in Florida

Public

- Florida A&M University
- Florida Atlantic University
- Florida Gulf Coast University
- Florida International University
- Florida Polytechnic University
- Florida State University
- H. Lee Moffitt Cancer Center & Research Institute
- Institute for Human and Machine Cognition
- New College of Florida

- University of Central Florida
- University of Florida
- University of North Florida
- University of South Florida
- University of West Florida

Private

- Embry Riddle Aeronautical University
- Florida Institute of Technology
- Sanford Burnham Prebys Medical Discovery Institute
- St. Thomas University
- University of Miami



Leading the National Conversation on Encouraging Faculty Innovation

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CONSIDERATION OF TECHNOLOGY TRANSFER IN TENURE AND PROMOTION

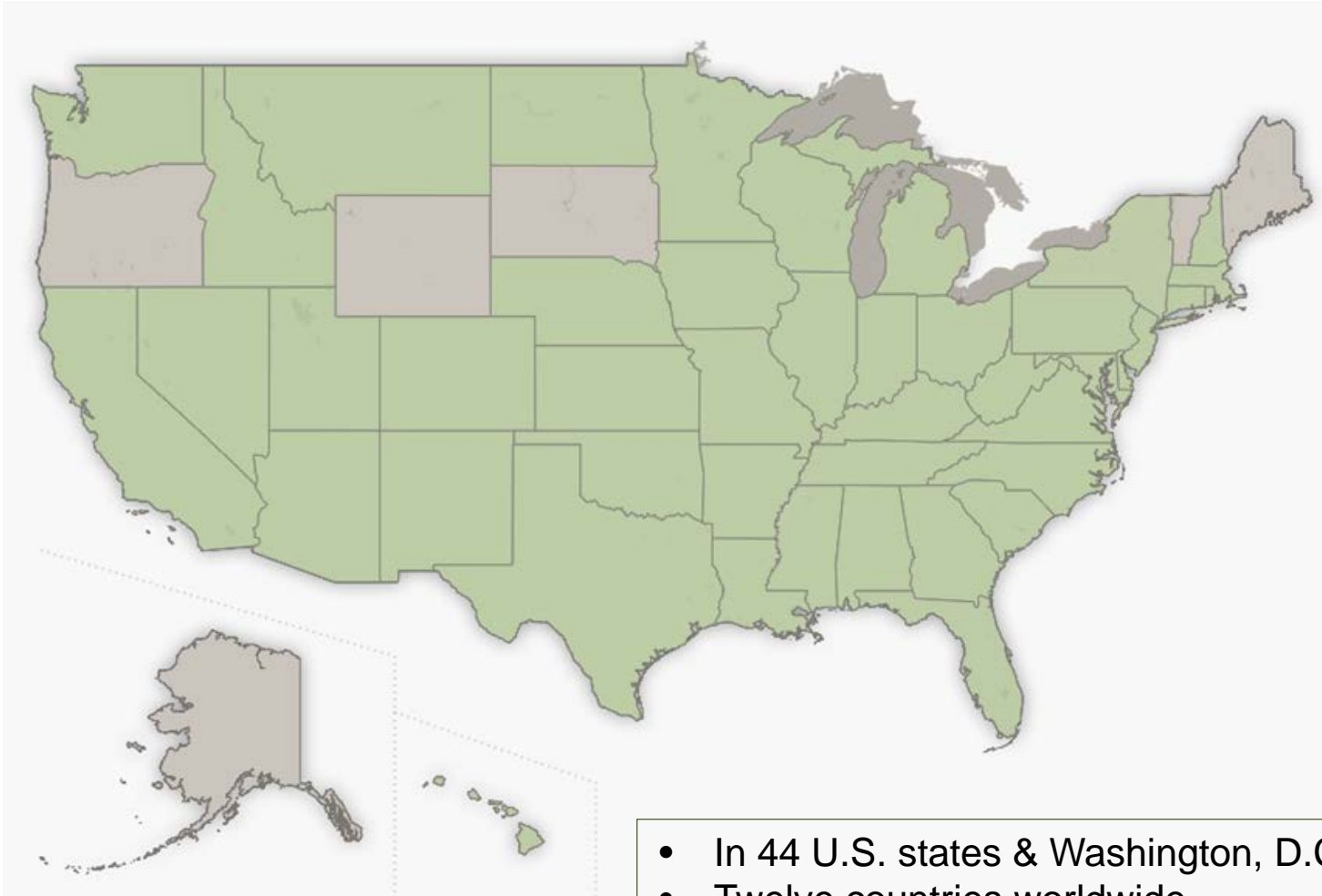
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Universities face increasing expectations from both the public and elected officials to contribute to the economic development of their respective states, geographical regions, and the country. Technology transfer activities have proven to be a key way to meet these new imperatives. Despite the university's expanded mission and the growing role of tech transfer, the academic community has yet to produce a consistent framework for evaluating faculty activities in technology transfer and their societal benefits. In response to this situation, the authors, working as the APLU Task Force on Tenure, Promotion, and Technology Transfer, surveyed US and Canadian universities to ascertain current approaches for defining technology transfer activities and recognizing them in assessing faculty performance. Building on the results of that survey, the authors offered the following five recommendations: 1) university policy statements should acknowledge the merit of technology transfer as part of the university's work, while including safeguards against conflicts of interest or commitment; 2) technology transfer activities should be explicitly included among the criteria relevant for promotion and tenure at the university, college, and department levels, as appropriate to the respective disciplines; 3) technology transfer activities should be an optional component of the review process, one that will be rewarded when present but not seen as a requirement for everyone; 4) recognizing the unique character of technology transfer, the criteria should be flexible enough to encompass high-quality work in many forms of creative expression; and 5) technology transfer activities should be evaluated for

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191 NAI Member Institutions



- In 44 U.S. states & Washington, D.C.
- Twelve countries worldwide
- Over 3,000 Individual Members and Fellows



NAI Fellows

- **582** Fellows, representing **192** universities & nonprofit research institutes
- **20,000+** U.S. Patents, collectively
- **80+** presidents & senior leaders of research universities
- **27 Nobel** Laureates
- **310** members of the other National Academies
- **36** recipients of U.S. National Medal of Technology and Innovation and Medal of Science
- Many other awards and distinctions



*Fellows Induction Ceremony, March 20, 2015,
California Institute of Technology*



52 NAI Fellows from Florida

Bass, Michael	University of Central Florida
Batareseh, Issa	University of Central Florida
Bergeron, Raymond J.	University of Florida
Bhansali, Shekhar	Florida International University
Byrne, Robert H.	University of South Florida
Chacour, Selim A.	University of South Florida
Clancey, William J.	Institute for Human and Machine Cognition
Curtiss III, Roy	University of Florida
Dalton, William S.	Moffitt Cancer Center & Research Institute
Delfyett, Peter J.	University of Central Florida
Dennis, Donn M.	University of Florida
Eddy, David M.	University of South Florida
Fields, Gregg B.	Florida Atlantic University
Ford, Kenneth M.	Institute for Human & Machine Cognition
Fountain, Michael W.	University of South Florida
Gitlin, Richard D.	University of South Florida
Glebov, Leonid B.	University of Central Florida
Goswami, D. Yogi	University of South Florida
Gross, Clifford M.	University of South Florida
Hansen, Barbara C.	University of South Florida
Houghten, Richard A.	Torrey Pines Institute for Molecular Studies
Ingram, Lonnie O.	University of Florida
Iyengar, S. Sitharama	Florida International University
Jove, Richard	Nova Southeastern University
Khizroev, Sakhrat	Florida International University
Larbalestier, David C.	Florida State University
Letson, G. Douglas	Moffitt Cancer Center & Research Institute
Li, Guifang	University of Central Florida
Liggett, Stephen B.	University of South Florida
List, Alan F.	Moffitt Cancer Center & Research Institute
Martin, Dean F.	University of South Florida
Mensah, Thomas O.	Florida State University
Mohapatra, Shyam	University of South Florida
Moudgil, Brij M.	University of Florida
Norton, David P.	University of Florida
Poirier, Victor L.	University of South Florida



Progulske-Fox, Ann	University of Florida
Rappaport, Alain T.	Institute for Human and Machine Cognition
Sanberg, Paul R.	University of South Florida
Sawyer, W. Gregory	University of Florida
Schally, Andrew V.	University of Miami
Seal, Sudipta	University of Central Florida
Sebti, Said M.	Moffitt Cancer Center & Research Institute
Simaan, Marwan A.	University of Central Florida
So, Franky	University of Florida
Soileau, M. J.	University of Central Florida
Su, Nan-Yao	University of Florida
Weissbach, Herbert	Florida Atlantic University
Wu, Shin-Tson	University of Central Florida
Wynne, James J.	University of South Florida
Yamamoto, Janet K.	University of Florida
Zheng, Jianping (Jim) P.	Florida State University



NAI Fellows Recognition

ACADEMIC ANALYTICS

2012 DATABASE (AAD 2012) AWARDS LIST

National Academy of Engineering	Charles Stark Draper Prize
National Academy of Engineering	Founders Award
National Academy of Engineering	Membership
National Academy of Inventors	NAI Fellow
National Academy of Science	Members/ Foreign Associates
National Association for College Admission Counseling	John B. Muir Editor Award
National Bureau of Economic Research	Researcher (NBER Family Members)
National Endowment for the Humanities	FELLOWSHIP AWARDS
National Endowment for the Humanities	Fellowships for University Teachers
National Endowment for the Humanities	SUMMER STIPENDS AWARDS
National Inventors Hall of Fame Foundation	National Inventors Hall of Fame Inductees



ACADEMIC ANALYTICS

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NAI Fellows Federal Recognition



Congressional Record

PROCEEDINGS AND DEBATES OF THE 114th CONGRESS, FIRST SESSION

House of Representatives

HON. DAVID W. JOLLY OF FLORIDA

Extension of Remarks

Honoring the 168 Inventors Inducted as the 2015 Fellows of the National Academy of Inventors

February 25, 2016

MR. JOLLY. Mr. Speaker, I rise today to honor the 168 inventors who will soon be recognized at the United States Patent and Trademark Office and inducted as the 2015 Fellows of the National Academy of Inventors (NAI) in an induction ceremony that will feature a keynote address by U.S. Commissioner for Patents Andrew Hirshfeld. In order to be named as a Fellow, these men and

The NAI was founded in 2010 by Paul R. Sanberg at the University of South Florida. Its mission is to recognize and encourage inventors with patents issued from the United States Patent and Trademark Office, enhance the visibility of academic technology and innovation, encourage the disclosure of intellectual property, educate and mentor innovative students, and translate the inventions of

Batarseh, University of Central Florida; Ray H. Baughman, The University of Texas at Dallas; Angela M. Belcher, Massachusetts Institute of Technology; Stephen J. Benkovic, The Pennsylvania State University; Shekhar Bhansali, Florida International University; Sangeeta N. Bhatia, Massachusetts Institute of Technology; J. Douglas Birdwell, The University of Tennessee,



Date: February 25, 2016
Honoring the 168 Inducted Fellows

Former U.S. Commissioner for Patents
Holding the Fellows Plaque



Merry Lynn Morris, Inventor of the Rolling Dance Chair, University of South Florida



Nan-Yao Su, Inventor of the Sentricon® System, University of Florida