Agricultural and Biosystems Engineering

Department Information

- **Department Chair:**
  Leon Schumacher, Ph.D.

- **Graduate Coordinator:**
  Igathinathane Cannayen, Ph.D.

- **Department Location:**
  Agricultural and Biosystems Engineering Building

- **Department Phone:**
  (701) 231-7261

- **Department Web Site:**
  [www.ndsu.edu/aben/](http://www.ndsu.edu/aben/)

- **Application Deadline:**
  International applications are due May 1st for fall and October 1 for spring. Domestic applications must be received at least one month prior to the start of the semester.

- **Credential Offered:**
  Ph.D., M.S.

- **English Proficiency Requirements:**
  TOEFL ibt 79; IELTS 6.5; Duolingo 105

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**Igathinathane Cannayen, Ph.D.**
Indian Institute of Technology, 1997
Research Interests: Biomass Harvest, Storage, Collection and Pre-Processing

**J. Paulo Flores**
Federal University of Rio Grande do Sul, 2008
Research Interests: Precision Agriculture, Applications of UASs/Drones in Agriculture, UASs/Drone Imagery Analysis, GIS Applications for Precision Agriculture

**Kenneth J. Hellevang, Ph.D.**
North Dakota State University, 1989
Research Interests: Post Harvest Technology, Structures

**Xinhua Jia, Ph.D.**
University of Arizona, 2004
Research Interests: Soil and Water Engineering, Hydrology

**Zhulu Lin, Ph.D.**
University of Georgia, 2003
Research Interests: Water and Soil Resources, Environmental Modeling

**Ewumbua Monono, Ph.D.**
North Dakota State University, 2015
Research Interests: Application of Engineering to the Science of Bioprocessing, Biofuels, Bioproducts, and Food Safety Engineering

**John Nowatzki, M.S.**
North Dakota State University, 1974

**Matthew Olhoft, M.S.**
North Dakota State University
Research Interests: Education, General Agriculture, Agricultural Mechanics, Leadership, Youth Organizations

**Scott W. Pryor, Ph.D.**
Cornell University, 2005
Research Interests: Biorenewable Products and Bioprocessing

**Thomas S. Scherer, Ph.D.**
University of Minnesota, 1986
Research Interests: Soil and Water Resources Management, Irrigation Systems

**Dean D. Steele, Ph.D.**
University of Minnesota, 1991
Research Interests: Irrigation and Environmental Engineering

**Xin (Rex) Sun, Ph.D.**
Nanjing Agricultural University, 2013
Research Interests: Precision Agriculture, Artificial Intelligence in Food and Agriculture, Precision Livestock Production, Meat Quality Non-destructive Detection Methods

**Zhao Zhang, Ph.D.**
Pennsylvania State University, 2015
Research Interests: Sensing and Automation in Agricultural and Precision Agriculture