

AGRICULTURAL AND BIOLOGICAL ENGINEERING

UF UNIVERSITY of FLORIDA



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EDUCATION:

- Ph.D.(2000) Biological and Agricultural Engineering, University of California at Davis
- M.S.(1992) Agricultural Engineering, Tehran University
- B.S.(1988) Agricultural Engineering, Tehran University

PROFESSIONAL EXPERIENCE:

- 2005-present *Assistant Professor* University of Florida, Agricultural and Biological Engineering Department (30% Extension, 70% Research)
- 2000-2005 *Assistant Professor and Precision Agriculture Specialist*. The Ohio State University, Department of Food, Agricultural, and Biological Engineering (80% Extension, 20% Research)
- 1999-2000 *Post-doctoral Researcher*, University of California at Davis, Department of Biological and Agricultural Engineering
- 1994-1998 *Teaching Assistant*, University of California at Davis, Department of Biological and Agricultural Engineering

AWARDS AND HONORS:

- 2005 Conservation Tillage Conference (CTC) Outstanding Service award
- 2004 ASAE Blue Ribbon educational aid award for "Ohio State Precision Agriculture Website, <http://precisionag.osu.edu>"
- 2003 Japanese Society for the Promotion of Science (JSPS) Scholarship for a two-month research project at Hokkaido University
- 2001 ASAE Blue Ribbon educational aid award for "An interactive model for selective spraying"
- 1998 Jastro-Shields Funding Award for Ph.D. research proposal

For more information visit Dr. Ehsani's website at:
<http://www.crec.ifas.ufl.edu/>

Dr. Ehsani specializes in mechanical harvesting, precision agriculture, GPS/GIS applications, sensors and automation for agricultural systems and wireless networks.

TEACHING:

- SOS 5720C (distance ed) GIS in Land Resource Mgmt.
- SOS 6722 Soil-Landscape Modeling

RESEARCH:

- Improving yield monitoring systems for citrus mechanical harvesters
- Evaluating the dynamic accuracy of GPS receivers in groves
- Applications of wireless sensor networks for groves
- Soil moisture and compaction sensor

EXTENSION:

- Organize a yearly conference on application of precision agriculture and mechanical harvesting for citrus.
- Provide outreach education materials on application of GPS/GIS and sensor technology to citrus production.

OTHER PROFESSIONAL ACTIVITIES:

- American Society of Agricultural & Biological Engineers (1990- present)
- Institute of Navigation (ION) (2003- present)