Thai Society of Agricultural Engineering

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Watcharapol Chayaprasert, Managing Editor, TSAE Journal
Brief history

• Established 19\textsuperscript{th} February 1976
• 474 current members and growing
  – University faculties, government officers and industry engineers
• Dares Kittiyopas, 6\textsuperscript{th} President (2009 – Present)
Objectives

• To promote research and extension in the field of agricultural engineering
• To provide consultancy and technical services
• To facilitate collaboration among stakeholders, e.g., government agencies, universities and industries
Activities

• Publication
  – Thai Society of Agricultural Engineering Journal
  – Agricultural machinery buying guide

• Organizing
  – TSAE Annual Conference
  – Agricultural Engineering Student Senior-Project Conference

• Services
  – Drafting/revising standards
  – Technical training
  – Agricultural Machinery Industry Map
Partners

• TSAE has partnered up with various organizations on a wide range of activities
  – Thai Industrial Standards Institute
  – Iron and Steel Institute of Thailand
  – Agricultural Machinery Manufactures Industry Club
  – National Agricultural Machinery Center
  – Board of Investment of Thailand
  – Weed Science Society of Thailand
  – Leading national universities
  – Private companies
• Bi-annual research journal
• Only one in Thailand that is dedicated to agricultural engineering

Scope
– Power and machinery
– Soil and water engineering
– Post-harvest and food engineering
– Structures and buildings
– Agricultural systems
– Electronics and information technology
– Energy and environment
TSAE Annual Conference

- Annual academic conference
- 150-250 attendees each year
- Update on new technologies and network

The 16th TSAE National Conference and the 8th TSAE International Conference: TSAE 2015
“Agricultural and Food Engineering Outlook on Sustainable Future”
17-19 March 2015  BITEC, Bangkok
Agricultural Engineering Student Senior-Project Conference

• Annually organized
• Foster new generations of task force
Field irrigation training
Tractor technician training
Drafting/revising standards

• Drafting/revising standards for Thai Industrial Standards Institute (TISI)
  – Agricultural tractors
  – Sugarcane planters
  – Sugarcane grabbers
  – Small air-cooled gasoline engines
  – Brush cutter
  – Combine harvesters
  – Small rice milling machines
  – Farm trucks
  – Paddy dryers
  – Trailers for walk-behind tractors
SUGARCANE GRABBER
Agricultural Machinery Industry Map

• 2013: Service provided to Board of Investment of Thailand (BOI)
  – Map depicting the structure of Thailand’s agricultural machinery industry in the production supply chain
THANK YOU FOR YOUR ATTENTION