



## Sun Center of Excellence in Software Technology for Eco-Social Sustainable Development

The Sun Center of Excellence in Software Technology for Eco-Social Sustainable Development – *Ecosoc* is part of the Maersk Mc-Kinney Moller Institute at the University of Southern Denmark. The general domain of expertise and innovation of *Ecosoc* is the development of software-based solutions for facilitating eco-social sustainable development within a board range of application domains. Research and development projects are application driven and conducted in close collaboration with industry and end users.

*Ecosoc* was founded in 2006 and builds upon the experience and expertise of the Maersk Mc-Kinney Moller Institute in Software Engineering, Adaptronics, Robotics, and Mechatronics. Within the *Ecosoc* projects software technology is used to improve living standards and help to preserve the eco-habitat by reducing the environmental impact of human related activities through optimizing the utilization of natural resources.

Projects initiated in context of the *Ecosoc* includes:

- Greenhouse Concept 2017 (page 12)
- IntelliHouse (page 11)
- Intelligent energy handling in greenhouses(page 13)
- Intelligent price elastic supplementary light control for energy efficient plant production (page 10)
- PREDICT (page 16)
- Javeleon (page 6, 24 and 29)
- The Danish pronunciation trainer (page 17)
- Improving keeping quality of Ornamental plants (page 18)

**Project period:**

2006-2009

**Budget:**

DKK 1,080,000

**Funding:**

Sun Microsystems Laboratories and The Maersk McKinney Moller Insitute, University of Southern Denmark

**Project Manager:**

Associate professor, Ph.D. Bo Nørregaard Jørgensen, The Maersk McKinney Moller Institute, University of Southern Denmark

**Research partners:**

Associate professor, Ph.D. Bo Nørregaard Jørgensen, The Maersk McKinney Moller Institute, University of Southern Denmark

**Industrial partner:**

Sun Microsystems Laboratories

