



Workshop on  
Green and Smart Embedded System Technology:  
Infrastructures, Methods and Tools

# GREEN EMBEDDED

**April, 12th**  
**Stockholm**

In conjunction with  
**CPSWEEK 2010**

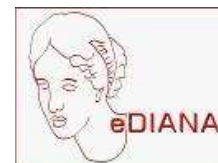
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**Organized & Funded by:**



Network of Excellence on  
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ARTEMIS eDIANA  
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# Concluding Remarks

- Complex heterogeneous system: unified roadmaps are required in the domain due to the fast growth of this market sector
  - ☑ Interoperability
  - ☑ Technology Reuse (e.g., composability)
  - ☑ Costs must be integrated in the roadmaps
  - ☑ In Buildings: Integration with other domains such as intelligent mobility
  - ☑ Balance supply and demand
  
- Several aspects to be considered
  - ☑ Generation, transmission, distribution, storage, consumption
  - ☑ *User must be part of the control strategy* (common theme)
  
- Energy awareness:
  - ☑ Quiz: we are not too energy-aware guys! 😊
  - ☑ Need sensing and feedback: users will not respond if they don't have information

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# Concluding Remarks

- Many non-technical problems
  - ☑ Politics may have large effects (users have influence)
  - ☑ New business models are needed
  - ☑ Consider the whole lifecycle of equipment (systemic problem)
  
- Systems going large scale
  - ☑ Increased complexity
  - ☑ E.g., introduce electric cars
  - ☑ Mass communication and reliability pose new challenges
  
- Many interesting research areas
  - ☑ Technologies to support user awareness
  - ☑ Optimization support
  - ☑ Modeling and design methodologies needed

# Acknowledgments

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- ☑ GREENBED Website: [www.artist-embedded.org/artist/-GREENBED-2010-.html](http://www.artist-embedded.org/artist/-GREENBED-2010-.html)

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# Acknowledgments

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