Energy efficient and programmable Architecture for Wireless Vision Sensor Node

- Generalization
- Small complexity
- Energy reduction
- Data reduction

- Embedded vision system
- Taxonomy
- Complexity model
- Tasks partitioning between software, hardware and locality
- Lightweight tasks implementation on hardware
- Duty cycling
- Bi-level
- Bi-level Image coding
- Bi-level Video coding

Energy efficient, programmable and low complexity hardware architecture

- Customized board
- Proof/implementation
- Real applications

Investing in your future

muhammad.imran@miun.se (2014)