Industrial Excellence Center (IXC)
Embedded Applications Software Engineering (EASE)

Prof. Per Runeson
Vision

...to be a world class applied software research facility for embedded software applications in order to...

...ensure that the industrial partners have a competitive advantage with respect to...

...competency and innovation of...

...novel solutions and effective engineering of embedded software applications with physical and logical mobility.
EASE partners and funding
10.5 MSEK/year

Industry
- Sony Ericsson
- ST Ericsson
- Ericsson
- AXIS
- SoftHouse
- ABB

Academia
- LU
- BTH

Public
- VINNOVA
Software Themes

A: Flexible Software Architectures
B: Parallel Embedded Systems
C: Efficient Software Methods (OSS, Agile)
D: Aligning Requirements and Verification

- Technology/Tools
- Engineering/People
World class applied research on systems and software engineering

BTH and LU researchers in EASE are ranked among top 10 scholars in the world.

<table>
<thead>
<tr>
<th>Rank</th>
<th>Scholar</th>
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<tbody>
<tr>
<td>1</td>
<td>Magne Jorgensen, Simula Research Laboratory, Norway</td>
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<tr>
<td>2</td>
<td>Hai Zhuge, Chinese Academy of Sciences, China</td>
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<tr>
<td>3</td>
<td>Shih-Chien Chou, National Dong Hwa University, Taiwan</td>
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<tr>
<td>4</td>
<td>Lionel Briand, Simula Research Laboratory, Norway</td>
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<tr>
<td>5</td>
<td>Barbara Kitchenham, Keele University, UK</td>
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<td>5</td>
<td>Per Runeson, Lund University, Sweden</td>
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<tr>
<td>7</td>
<td>Chin-Wan Chung, Korean Adv. Inst. Sci. &amp; Tech., Korea</td>
</tr>
<tr>
<td>8</td>
<td>Claes Wohlin, Blekinge Institute of Technology, Sweden</td>
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<tr>
<td>9</td>
<td>James Miller, University of Alberta, Canada</td>
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<tr>
<td>10</td>
<td>Richard Lai, La Trobe University, Australia</td>
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Academia-industry collaboration

- Technology pilot
- Workshops
- Interviews/analyses
- Seminars
- Senior advisors
Collaboration academia-industry

Academia Theory

Industry Practice

V.3, Per Runeson, 2010