

RETR '05



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# The 1<sup>st</sup> International Workshop on Reverse Engineering To Requirements

Collocated with WICSA/WCRE'05

At Pittsburgh, PA  
November 7, 2005

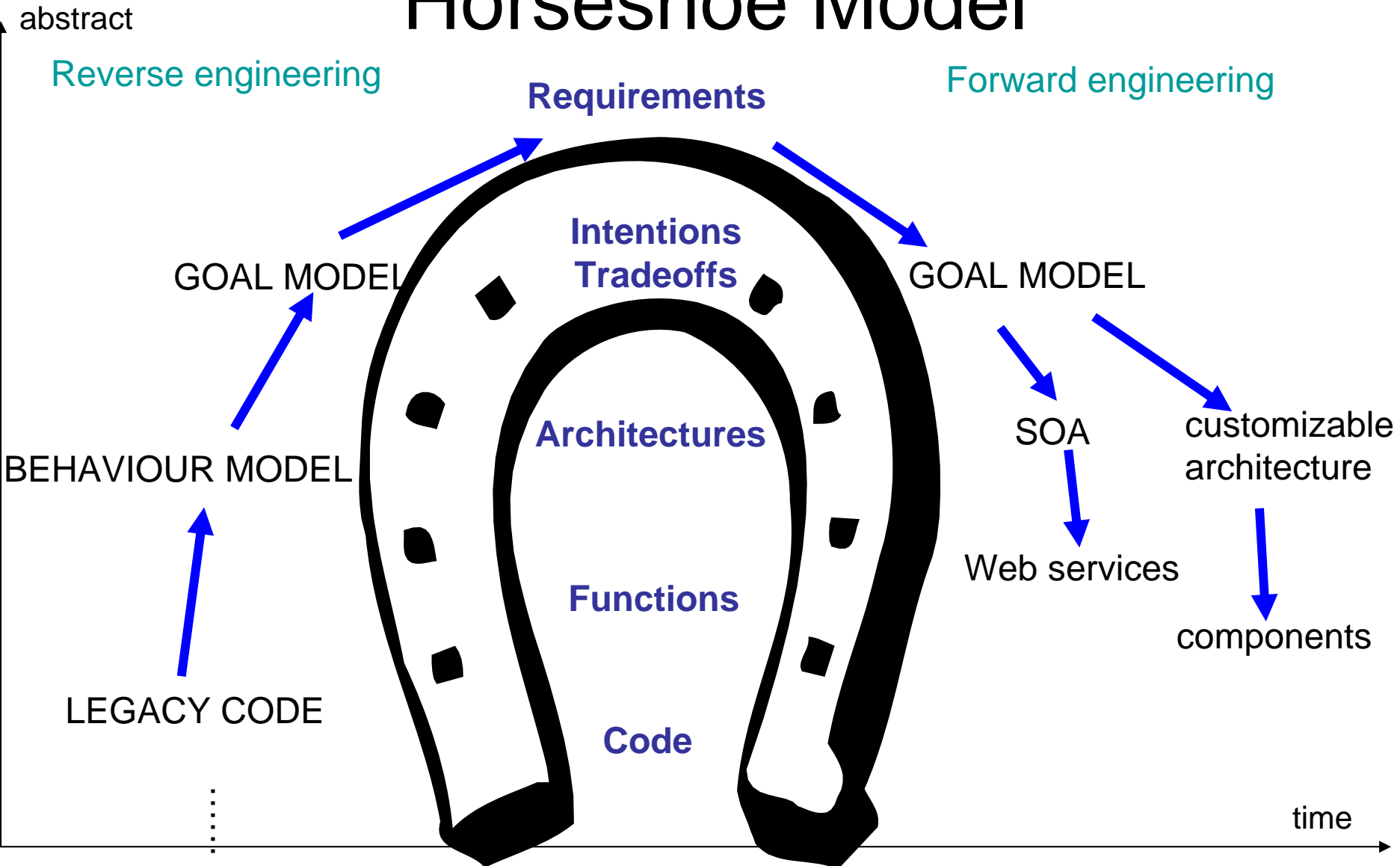
# An intersection of interests

- Engineering Research communities
  - Software Engineering community
    - 27 annual international conferences
  - Requirements Engineering community
    - 13 annual international conferences
  - Reverse Engineering community
    - 12 annual international conferences
- Industrial community
  - Highly involved



Put into reengineering perspective

# Horseshoe Model



# Missions for RETR: bridge the gap

- **Aim WCRE higher:**  
*Reverse engineering to requirements, not just architectures and designs*
- **Ground RE deeper:**  
*Requirements to be retrieved back and forth with implementations*
- **Reveal new potentials:**  
*Autonomic systems may combine both*

# Workshop Schedule

8:30	Opening and Introduce ourselves
9:00	Invited talk: <b><i>The Challenge to Recover 15 Years of “Why” Behind a Product Design</i></b> by Kevin Dunipace
9:30	Invited talk: <b><i>Learning from Past Trial and Error: Some History of Reverse Engineering to Requirements</i></b> by Elliot Chikofsky
10:00	Presentation: <a href="#"><u><i>Automatic Extraction of Abstract-Object-State Machines Based on Branch Coverage</i></u></a> by Hai Yuan & Tao Xie
10:45	Presentation: <a href="#"><u><i>Extracting Business Policy and Business Data from the Three-Tier Architecture System</i></u></a> by Maokeng Hung & Ying Zou
11:30	Panel discussions on <i>RETR from legacy software design</i>
12:00	Lunch break
13:00	Break, you may attend Grady Booch’s keynote speech at WICSA
14:30	Invited talk <b><i>Autonomic Computing: Now You See It, Now You Don't</i></b> by Hausi Muller
15:00	Invited talk by Kostas Kontogiannis and Ladan Tahvildari
15:30	Presentation: <a href="#"><u><i>Requirements-Driven Configuration of Software Systems</i></u></a> by Yijun Yu, Alexei Lapouchnian, Sotirios Liaskos & John Mylopoulos
16:00	Break
16:30	Presentation: <a href="#"><u><i>Towards a Framework to Incorporate NFRs into UML Models</i></u></a> by Sabrina Anjum Tonu & Ladan Tahvildari
17:00	Panel discussion on <i>RETR for autonomic systems</i>
17:30	Wrap up & conclusions on lessons learnt, next steps
18:00	End of the workshop