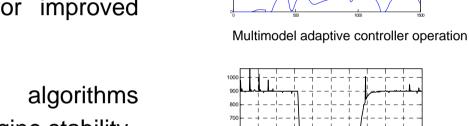
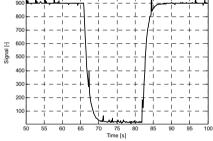
Objectives: To study adaptive and self-learning monitoring and control systems to adapt engine to prevailing conditions and component status

Final Results & Achievements:

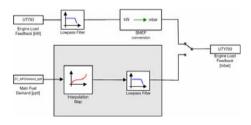
- Advanced control algorithms (H-infinity, adaptive multimodel controllers) evaluated for improved performance.
- New advanced engine balance algorithms evaluated and tested for improved engine stability.
- Advanced monitoring for knock evaluated and knock monitoring reliability improved. Implementation for field-use ongoing.
- Embedded controller for speed/load/timing implemented and evaluated. Implementation for field-use ongoing.





Charge Air Pressur

Knock-sensor failure monitoring



Adaptive speed/timing control

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Final Meeting, Brussels 5/9/2007