Topics

• The Vision of Software Diagnostics

• Patterns of Software Diagnostics Architecture

Forthcoming Seminar:

*Software Diagnostics: Requirements, Architecture, Design, Implementation and Improvement*
Software Diagnostics

- Software Post-Construction Artefacts

- Pattern-Oriented Artefact Analysis
Architectural Patterns I

- Pipes and Filters

Artefact Production  |  Artefact Collection  |  Artefact Management  |  Artefact Analysis
• Publisher-Subscriber

Explicit Publisher - active tracing
Implicit Publisher - external memory acquisition
Pattern Reuse

• Existing Architectural Patterns

• Pattern Reference: Pattern-Oriented Software Architecture series (by Frank Buschmann, et al.)

• Specialized Design Patterns: Debugware

• Implementation: Unified Debugging Patterns
| Nov - December, 2013 | **Psychology of Software Diagnostics** (FREE)  
|                     | **Semiotics of Debugging** (FREE)  
|                     | **Generative Software Narratology** (FREE)  
|                     | **Software Diagnostics: Requirements, Architecture, Design, Implementation and Improvement** (FREE)  |
| November 15-25, 2013| **Accelerated Windows Memory Dump Analysis**  |
| December, 2013      | **Deep Down C++**  |
| 2014                | **7 new training courses**  |
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