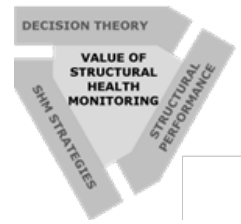


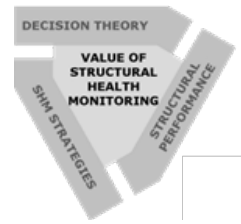
WG6: Dissemination

Sebastian Thöns



Whom are we addressing?

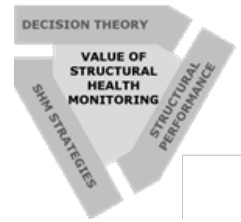
- Representatives of the construction and infrastructure industry
- SHM researchers and engineers
- Structural engineers and builders
- Relevant European and national associations and confederations
- Authorities and policy makers at regional and European levels
- Research community, relevant standardization bodies and code writers
- Teachers, lecturers and students of structural design, engineering and architectural schools.



What and how we disseminate?

COST TU1402 Website

- Dissemination
- Information
- Exchange of documents (to be implemented)
- And... discussion platforms, online surveys, video streams of key-note presentations from workshops and conferences (to be implemented)



What and how we disseminate?

DTU Technical University of Denmark

DANISH TECHNOLOGICAL INSTITUTE

Materials, Systems and Structures in Civil Engineering
MSSCE 2016

Home Segments Sign up Submissions Visitor information Venue and travel Sponsors

Value of Information in Structural Health Monitoring

Conference segment

Doctoral course

SHM has over the last 2-3 decades become a topic of significant interest within the structural engineering research community, but also in the broader areas of civil and mechanical engineering.

In the perspective of sustainable industrial and societal developments, recent research addresses pre-designed and optimized Structural Health Monitoring (SHM) strategies for an efficient structural integrity management of the built environment. SHM strategies can be predetermined and optimised building upon the frameworks of the pre-posterior Bayesian decision analysis facilitating the quantification of the Value of the SHM Information before implementation. Actual studies show a high industrial potential.

This conference segment addresses Value of Information in SHM as a part of the European COST Action TU1402. Contributions focussing on theoretical issues, methods and tools or/and case studies in the following fields are welcome:

- Decision theory
- Risk and reliability research
- Structural and probabilistic engineering
- Infrastructure systems engineering
- Materials research
- SHM data processing and interpretation algorithms
- SHM technologies

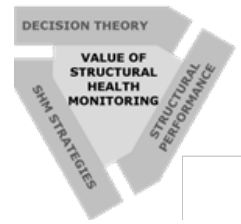
Participants may have a background as university researchers, PhD students, or industry specialists. The conference language is English.

Workshops, Training Schools (TS) and Teaching

■ Action Workshops

- In conjunction with events and conferences with related professional and scientific organisations
- Focus on scientific issues in the first stage
- Focus on practical and dissemination aspects in later stages

- Event in Period 2: Materials, Systems and Structures in Civil Engineering (MSSCE 2016)



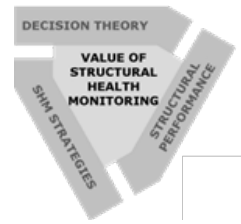
What and how we disseminate?

Educational activities in the form of training courses for practicing engineers, researchers and students

- Dissemination and teaching of the developed guidelines for the Quantification of the Value of SHM
- Online courses

Short term scientific missions (STSMs)

- To build up synergies between institutes



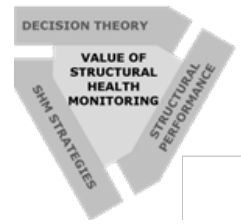
What and how should we disseminate?

Conferences, Peer-reviewed articles and state-of-the-art reports

- Dissemination of research results, practical approaches and standardisation activities to a broader public

Standardisation

- Guideline for practical application
- Chapter to the Probabilistic Model Code of the JCSS covering the theoretical aspects
- The network includes researchers actively working in the JCSS, EUROCODES, ISO, IABSE, RILEM, fib, ECCS, CIB.

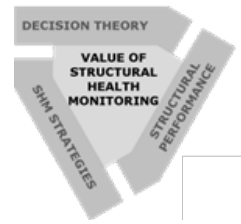


Dissemination

1. How can we best organise us?
2. Who contributes to what?
3. Please ask WG 6 for help. 😊

COST TU1402: Quantifying the Value of Structural Health Monitoring

1st Workshop, 04.-05.05.2015, DTU, Denmark



Thank you for your attention.