

Problem Scope

1

Large-scale, distributed collaboration

- higher level of complexity
- higher level of dynamic

Challenges in awareness support

- the distributed nature of awareness
- the fleeting awareness requirements

Overall objective

Motivate

This Research

Conceptual model

- the field of work
- the distributed nature of awareness
- the awareness processes

3

Computational approach

- the event-driven awareness promotion framework
- knowledge representation and updating
- promoting event-driven awareness processes

4

5

6

Design & Development

- dependency model
- event notification
- visualization

7

Case study

- emergency response

8

Existing knowledge

Ground

Knowledge Space

2

Theories

- situation awareness
- team awareness
- activity awareness

Models

- space-based models
- event-based models

Methods

- formal knowledge representation
- event processing
- visualization techniques

Methodologies

- knowledge acquisition
- scenario-based design
- design evaluation methods