

Dagstuhl Seminar on EVENT PROCESSING (10201)

May 16-21, 2010

CONCLUSION AND ACTION ITEMS



1. Seminar's major goals

- a) Brainstorm and devise an actionable plan for evolving event processing to be a critical technology in a grand challenge that will have major impact on society, as a wide-community effort;
- b) Brainstorm and devise and actionable plan for creating a community-agreed document about the value, boundaries, functions, and synergies with other areas and communities.
- c) Brainstorm and devise and actionable plan for the evolution of specific event processing standards, and employ/extend existing standards.

2. Major means to achieve these goals:

- a) Create a document (with possible variations for various stakeholders) that articulates the topics included in the goals.
- b) Disseminate the document in various ways for various stakeholders.
- c) Devise an action plan, responsible persons, and a mechanism to track and coordinate the actions.

3. The document:

The document will have six sections, and executive summary. The order of the sections will be determined later.

Editorial board for the entire paper: Opher Etzion, Alex Buchmann, Sharma Chakravarthy and Richard Tibbetts.

People responsible for the various sections:

- a) Executive summary: Mani Chandy and Peter Niblett
- b) Why event processing: Robert Berry and Darko Anicic
- c) What is event processing: Peter Niblett and Simon Brodt
- d) Synergies and relations to other areas: Arno Jacobsen and Christoph Emmersberger
- e) Standards: Paul Vincent and Florian Springer
- f) Grand Challenge: Bernhard Seeger and Ronen Vaisenberg
- g) Shorter term research challenges: Patrick Eugster

Each section will be 4-10 pages long; writing will be done using Google Docs.

The schedule is to finish the draft of the paper by DEBS 2010 (July 12), and have a discussion meeting during the conference. There will be a bi-weekly call to coordinate and track.

4. Dissemination

Next mission, after the document's conclusion, will be to disseminate the ideas in various forms.

The dissemination plan is partition by stakeholder, the stakeholders identified are: the event processing community, the technical community at large, analysts, reporters, government and funding agencies, as seen in Table 1.

| No | Stakeholder | Dissemination target | Responsible Person and action |
|----|---------------------------------|--|---|
| 1 | EP community | EPTS members and Steering committee | Opher Etzion will communicate to EPTS SC and members. |
| 2 | | Possible Panel in DEBS 2010 | Jean Bacon and Ken Moody will check the possibility to add panel |
| 3 | | Portal that will include – current research projects, academic courses | Stefan Appel will collect material and maintain portal |
| 4 | Technical community at large | CACM article | Opher Etzion will shorten the document to CACM paper |
| 5 | DB community | SIGMOD Record article | Alex Buchmann |
| 6 | | IEEE Data Bulletin | Badrish Chandramouli |
| 7 | | VLDB 2010 | Opher Etzion is giving tutorial |
| 8 | BPM community | Workshop in BPM + possible tutorial | Nenad Stojanovic |
| 10 | other | Summer schools | Alex Buchmann will investigate possible summer schools. |
| 11 | Analysts | Gartner | Roy Schulte |
| 12 | | Other analysts | Opher Etzion |
| 13 | Reporters | NY Times | Dan Meiron + Mani Chandy will push article in NY Times |
| 14 | | Computer World + other reporters | TBD |
| 15 | Government and funding agencies | EU- Flagship program | Plamen Siemonov et al – will try to establish a coalition that will win flagship preparation project |
| 16 | | Germany national funds | Alex Buchmann |
| 17 | | UK national funds | Robert Berry |
| 18 | | USA national funds | Mani Chandy |

5. Additional action items

| No | Topic | Action | Responsible person |
|----|----------------------------|---|---|
| 1 | Why event processing? | Align the EPTS Business Value Workgroup with conclusions | Nenad Stojanovic |
| 2 | | Business community collaboration on sharing information | John Sutcliffe-Braithwaite |
| 3 | Event processing functions | Recommendations to the EPTS glossary team | Peter Niblett |
| 4 | | Recommendations to the EPTS reference architecture team | Paul Vincent and Adrian Paschke |
| 5 | Synergies with other areas | Find ambassadors to communities identified by the team | Arno Jacobsen and the team will identify additional communities of interest. |
| 6 | Standards | Identify prioritized standard areas and time-lines | Paul Vincent |
| 7 | | Domain-specific reference model – list and action plan | Paul Vincent |
| 8 | Grand Challenge | After completion of the document, a team will be establish to steer all activities around the grand challenge | Opher Etzion will recruit the team |