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Initial communication and dissemination plan

Elias Alevizos, Alexander Artikis, George Giannakopoulos and George Paliouras

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Executive Summary

This deliverable focuses on specifying how the results of SPEEDD are to be disseminated both within the scientific community and the general public.

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Introduction

1.1 History of the Document

Version	Date	Author(s)	Change Description
0.1	14/4/2014	Elias Alevizos (NCSR)	Set up of the document
0.2	14/4/2014	George Giannakopoulos (SciFY)	Content added
0.3	24/4/2014	Alexander Artikis (NCSR)	Content adjusted
0.5	4/5/2014	Fabiana Fournier (IBM)	Internal review submitted
1	5/5/2014	Elias Alevizos (NCSR)	Content added/adjusted after internal review

1.2 Purpose and Scope of the Document

The initial communication and dissemination plan of SPEEDD will be used by the partners of the consortium.

The purpose of this document is to describe the major dissemination objectives, define common guidelines to be used by all partners and provide the first set of dissemination actions and material.

Scientific Dissemination

The SPEEDDD dissemination targets of the academic partners are mainly **excellence building**, **knowledge transfer**, **education** and later **research** in SPEEDDD-related areas. In the following, the suggested activities are discussed.

2.1 Scientific Publications

In the course of the SPEEDDD project, the academic partners will publish innovations that will result from the project. These publications will mainly be of scientific nature and will target renowned scientific publication outlets (i.e., international peer-reviewed conferences and journals). The SPEEDDD publications will contribute to demonstrating the advancement of the expertise and excellence of the research group involved in the project. The SPEEDDD consortium has already released one scientific paper at the upcoming SETN 2014 conference¹ and has presented a tutorial on formal methods for event processing at the EDBT/ICDT 2014 conference². By these means, we aim to facilitate a sustainable development of the research group. In addition to scientific publications, we also aim to release informal publications, including *LinkedIn* entries and the project's web dissemination channels. Also, several public deliverables will be released, including a roadmap report, which will propose ways to advance event-driven decision making and QA beyond the end of the project. Furthermore, we will release teaching material, which will be used during summer schools as well as presentations and videos on platforms such as *SlideShare*³, *SlideWiki*⁴ and *Videlectures*⁵.

SPEEDDD targets specific relevant scientific and industrial conferences and journals, like the ones presented in the two following tables:

¹<http://setn2014.cs.uoi.gr/index.php/en/accepted-papers>

²<http://www.edbticdt2014.gr/index.php/tutorials>

³<http://www.slideshare.net>

⁴<http://slidewiki.org/>

⁵<http://videlectures.net/>

Area	Conference Name
Artificial Intelligence and machine learning	Conference of the association of the advancement of artificial intelligence - AAAI
Artificial Intelligence and machine learning	European Conference on Artificial Intelligence
Artificial Intelligence and machine learning	European Conference on Knowledge Management (ECKM)
Artificial Intelligence and machine learning	European Conference on Machine Learning
Artificial Intelligence and machine learning	Intelligence International Conference on Machine Learning
Artificial Intelligence and machine learning	International Conference on Uncertainty in Artificial Intelligence
Artificial Intelligence and machine learning	International Joint Conference on Artificial Intelligence
Cognitive science and Human computer interaction	ACM Computer Human Interaction (HCI)
Cognitive science and Human computer interaction	Annual Meeting of the Cognitive Science Society
Cognitive science and Human computer interaction	Human Factors and Ergonomics Society
Cognitive science and Human computer interaction	IFIP Interact
Decision and control theory	American Control Conference (ACC)
Decision and control theory	European Control Conference (ECC)
Decision and control theory	IEEE Conference on Decision and Control (CDC)
Decision and control theory	IFAC World Congress
Decision and control theory	Mathematical Theory of Networks and Systems (MTNS)
Decision and control theory	Winter simulation conference
Event and data Management	ACM Distributed Event-based Systems (DEBS)
Event and data Management	ACM SIGMOD
Event and data Management	IEEE International Conference on Data Engineering (ICDE)
Event and data Management	Very Large Databases (VLDB)
ICT conferences - general	BLED eConference
ICT conferences - general	International Conference on Information Technology Interfaces
ICT conferences - general	Software, Knowledge, Information, Industrial Management and Applications (SKIMA)
Intelligent transportation systems International	IEEE Conference on Intelligent Transportation Systems (ITSC)

Area	Journal Name
Artificial Intelligence and machine learning	Artificial Intelligence
Artificial Intelligence and machine learning	IEEE Intelligent Systems
Artificial Intelligence and machine learning	Journal of AI Research
Artificial Intelligence and machine learning	Journal of Intelligent Information Systems
Artificial Intelligence and machine learning	Journal of Machine Learning Research
Artificial Intelligence and machine learning	Machine Learning
Cognitive science and Human computer interaction	Cognitive Science
Cognitive science and Human computer interaction	Ergonomics
Cognitive science and Human computer interaction	Human Factors
Cognitive science and Human computer interaction	IEEE Systems, Man & Cybernetics
Cognitive science and Human computer interaction	International Journal of Human-Computer Studies
Decision and control theory	Automatica
Decision and control theory	IEEE Transactions on Automatic Control
Decision and control theory	IEEE Transactions on Control Systems Technology
Decision and control theory	Industrial Management and Data Systems
Decision and control theory	Mathematical Programming
Decision and control theory	Mathematics of Operations Control
Decision and control theory	Research Decision Support Systems
Decision and control theory	Systems and Control Letters
Event and data Management	ACM Transaction on Database Systems
Event and data Management	IEEE Transaction on Knowledge and Data Engineering
Event and data Management	VLDB Journal
ICT conferences - general	European Journal of Information Systems
ICT conferences - general	Government Information Quarterly
ICT conferences - general	Journal of Computing and Information Technology
Intelligent transportation systems	IEEE Transactions on Intelligent Transportation Systems
Intelligent transportation systems	IEEE Vehicular Technology Magazine

2.2 Events

The SPEEDD partners will try to organize a workshop along with other related EU projects, such as the projects EPPICS⁶, FERARI⁷, INSIGHT⁸, and QUALIMASTER⁹. All of these projects conduct research on the field of real-time processing of heterogeneous Big Data and collaboration with them could prove beneficial for all partners.

The SPEEDD workshop will aim to attract both participating researchers and non-participating yet interested researchers and companies. The workshop will be made public via the SPEEDD leaflet and website and communicated throughout a variety of channels such as *LinkedIn* entries. During the workshop, the project results (Complex Event Processing engines, performance metrics, etc.) will be advertised. In addition to organizing the SPEEDD workshop, the academic partners plan to participate

⁶<http://eppics-project.eu/>

⁷<http://www.ferari-project.eu/>

⁸<http://www.insight-ict.eu/>

⁹<http://qualimaster.eu/>

in a great variety of events with presentations and invited talks.

2.3 Collaborations

During the three years of the project, the relations among the partners of the project will be strengthened and can lead to further collaborations in future projects. Also, the organization of the workshop as well as the participation to the events mentioned in the previous section, will give the opportunity to meet researchers and companies of the domain and to lay the foundations for possible future collaborations. Examples of such collaborations which have already started comprise the *Memorandum of Understanding* which has been mutually signed between SPEEDD and the EPPICS project. Moreover, the IBM team associated with the SPEEDD project collaborates with the FISPACE¹⁰ EU project. FISPACE tests its platform on eight different use cases, from which a few proactive scenarios can be obtained which can enrich the SPEEDD requirements.

2.4 Teaching

An important aspect of disseminating expertise and knowledge gained within the project is through the curricula of students studying at the academic institutions participating in the project (ETH, the University of Birmingham and the Technion). Although these activities are not directly part of the project, they are important for disseminating best-practices and knowledge, as well as for preparing students to work with innovative relevant technologies. Theses, both at undergraduate and postgraduate level related to the project, will also be assigned to students. Also, the topics of the project will influence some of the lectures, seminars and practical work which are held at the academic partners' institutions.

2.5 Software Releases

In addition to the software releases that constitute formal project deliverables, the SPEEDD consortium will be releasing a number of software components and/or intermediate releases as open-source to the wider public. The RTEC complex event processing/recognition engine¹¹, developed by NCSR, has already been released as open-source, to be followed by (any of) its future extensions. The software releases will be announced on the website as well as at mailing lists and blogs. In addition, the source code and installation archives will be available at major open-source project repositories such as *GitHub*¹². Moreover, some of the evaluation datasets from the traffic management use case, produced by the microsimulator of CNRS, will also be released. Due to privacy issues, datasets from the credit card fraud use case will not be publicly released.

NCSR and SciFY¹³ (SciFY is subcontracted by NCSR for dissemination purposes) have conducted a first meeting to create a roadmap for the dissemination of open source software tools produced and used within SPEEDD. The Complex Event Processing engines of IBM and NCSR will be endorsed in our dissemination process. The dissemination steps that will be followed are as follows:

- Create a landing page for the tools. The landing page will provide easy-to-understand information, in a well-established manner. The information will contain: an overview of the tool, the main features of the tool, as well as contact information.

¹⁰<http://www.fispace.eu/>

¹¹<http://users.iit.demokritos.gr/~a.artikis/EC.html>

¹²<http://github.com>

¹³www.scify.gr

- Create a demo page. The demo page will illustrate the workflow of the tool and will allow a real-time application of the tool, based on demo input. The output of the process will be shown as a response.
- SciFY will create a flow that will allow the expression of interest for the effort and tool. This will illustrate possible collaborators, stakeholders and user groups.

NCSR and SciFY also performed a brain-storming session for future steps, which may include: social media presence (e.g. Twitter, Github); provision of a public API for the tools (where applicable); friendly API documentation, with easy to understand examples; integration of all tools under a common open architecture (if applicable).

2.6 Advertisement

The dissemination of the idea will be done through several channels. Besides the project website, which is already functional, the opportunities offered by social media platforms, such as *LinkedIn*, will also be exploited. The IBM SPEEDD team will present the work internally in IBM to relevant executives and development teams in order to try and influence the exploitation of technologies developed in SPEEDD in future IBM products. As per D2.9, the members of the consortium will edit a special issue on the topics of SPEEDD in a high quality journal of the field. Finally, the press material that has been and will be developed throughout the project can be distributed in conferences and other events in which members of SPEEDD will participate.