



A Context-Adaptive Content Ecosystem Under Uncertainty

D6.2

Year 2 Project Dissemination Report

Dissemination level:	Public
Contractual date of delivery:	Month 12, December 2015
Actual date of delivery:	2016-01-29
Workpackage:	WP6 – Scientific Impact, Dissemination and Exploitation
Task:	T6.1 (Scientific Impact and Dissemination)
Type:	Report
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Approval Status:	
Version:	1.0
Number of pages:	7
Filename:	CONCERT_Deliverable_D62_v1.pdf

Abstract:

This deliverable gives an overview of dissemination material produced and activities undertaken (exhaustive list of all the papers, presentations, publications and demonstrations published or performed) within the second year of the CONCERT project. It also documents the standardisation activities performed by the project partners.

History:

Version	Date	Reason	Revised by
0.1	08-01-2016	Initial texts	Benjamin Rainer
0.2	21-01-2016	Added Publications	Laura Toni
1.0	29-01-2016	Finalised	Benjamin Rainer

January 2016

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1 Introduction

This deliverable documents the dissemination activities of CONCERT. During the second year, the CONCERT project and project partners published twelve peer-reviewed publications in top-tier conference proceedings or journals.

2 Publications, Press, and Standardisation

2.1 Scientific Publications

The following publications (conferences, journals) related to the CONCERT project were produced and published by the project consortium:

- P.1** Benjamin Rainer, Stefan Petscharnig, and Christian Timmerer, “Is One Second Enough? - Evaluating QoE for Inter-Destination Multimedia Synchronization using Human Computation and Crowdsourcing”, In Proceedings of the Seventh International Workshop on Quality of Multimedia Experience (QoMEX 2015), Messinia, Greece, May 2015.
- P.2** Christian Kreuzberger, Benjamin Rainer, and Hermann Hellwagner, “Modelling the Impact of Caching and Popularity on Concurrent Adaptive Multimedia Streams in Information-Centric Networks”, In Proceedings of the 2015 IEEE International Conference on Multimedia Expo Workshops (ICMEW 2015), Torino, Italy, July 2015.
- P.3** Christian Kreuzberger, Daniel Posch, and Hermann Hellwagner, “A Scalable Video Coding Dataset and Toolchain for Dynamic Adaptive Streaming over HTTP”, In Proceedings of the 6th ACM Multimedia Systems Conference, Portland, OR, USA, pp. 213-218, March 2015.
- P.4** Florian Bacher, Benjamin Rainer, and Hermann Hellwagner, “Towards Controller-aided Multimedia Dissemination in Named Data Networking”, In Proceedings of the IEEE International Conference on Multimedia Expo Workshops, Torino, Italy, July 2015.
- P.5** Laura Toni and Pascal Frossard, “Prioritized Random MAC Optimization via Graph-based Analysis”, IEEE Transactions on Communications, vol. 63, no. 12, pp. 5002–5013, December 2015.
- P.6** Ana De Abreu, Laura Toni, Nikolaos Thomos, Thomas Maugey, Fernando Pereira, and Pascal Frossard, “Optimal Layered Representation for Adaptive Interactive Multiview Video Streaming”, Journal of Visual Communication and Image Representation, vol. 33, issue C, pp. 255–264, November 2015.
- P.7** Laura Toni, Thomas Maugey, and Pascal Frossard, “Optimized Packet Scheduling in Multiview Video Navigation Systems”, IEEE Transactions on Multimedia, vol. 17, no. 9, pp. 1604–1616, September 2015.
- P.8** Laura Toni, Gene Cheung, and Pascal Frossard, “In-Network View Re-Sampling for Interactive Free Viewpoint Video Streaming”, In Proceedings of the 2015 IEEE International Conference on Image Processing (ICIP 2015), Quebec City, Canada, September 2015.
- P.9** Federico Chiariotti, Stefano D’Aronco, Laura Toni and Pascal Frossard, “Online Learning Adaptation Strategy for DASH Clients”, ACM MMSys, Klagenfurt, Austria, May 2016.
- P.10** Xu Zhang, Ning Wang, Vassilios G. Vassilakis, and Michael P. Howarth, “A distributed in-network caching scheme for P2P-like content chunk delivery”, Computer Networks, vol. 91, pp. 577–592, November 2015.

- P.11** G. Parisi, V. Sourlas, K. V. Katsaros, W. K. Chai, and G. Pavlou, “Enhancing Multi-Source Content Delivery in Content-Centric Networks with Fountain Coding”, In Proceedings of the Content Caching and Delivery in Wireless Networks Workshop (CCDWN 2015), co-located with ACM CoNEXT, Heidelberg, Germany, December 2015.
- P.12** K. V. Katsaros, W. K. Chai, and G. Pavlou, “Bloom Filter based Inter-domain Name Resolution: A Feasibility Study”, In Proceedings of the 2nd ACM Conference on Information-Centric Networking (ICN 2015), San Francisco, CA, USA, September–October 2015.

3 Events

In the second year of the CONCERT project, the consortium was active in organising and attending events, especially those that match the project's domain and goals. A workshop proposal has been submitted and got accepted at the IEEE INFOCOM 2016 conference. Furthermore, the consortium mainly attended top-tier international events directly related to the research conducted during the second year of the project.

3.1 Organised Event

The project consortium submitted a workshop proposal to the IEEE International Conference on Computer Communications (INFOCOM) 2016 in San Francisco, California, USA. The workshop entitled **Multimedia Streaming in Information-Centric Networks (MuSIC)** is to provide researchers in the field of Information-Centric Networks (ICN) a platform for presenting novel research with a focus on improving and enabling efficient multimedia streaming in ICN and to strengthen the communication and interaction between ICN and multimedia systems researchers. The workshop got accepted, as one of 15 workshops out of 33 workshop submissions at INFOCOM 2016.

3.2 Attended Events

As reported in the first year dissemination report, the first MuSIC workshop took place in conjunction with the IEEE ICME 2015 conference. Therefore, the consortium participated in the workshop at IEEE ICME 2015 in Torino, Italy, July 2015.

In addition, project researchers attended the conferences at which their papers and presentations were accepted.