



Cognitive Radio Experimentation World



Project Deliverable D5.1 Initial report on CREW contribution to FIRE support actions

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Abstract:

This deliverable provides an initial report on the CREW contributions to Future Internet Research and Experimentation (FIRE) support actions. By providing a list of activities, including events, workshops, publications and FIRE architecture board meetings in which members of the CREW actively participated, this document shows that FIRE relations have been well-established in the first year of the project.

Keywords:

FIRE, architecture board, demonstrations, presentations, workshops

Executive Summary

This deliverable provides an initial report on the CREW contributions to Future Internet Research and Experimentation (FIRE) support actions.

During the first year of the project, members of the CREW consortium have put effort in establishing and maintaining a link with FIRE. The document lists how CREW actively contributed to FIRE events by showing demonstrations and giving talks, by attending all FIRE architecture board meetings, contributing to and initiating FIRE publications, and following the activities in three FIRE workshops.

This document shows that members of the CREW project have been active contributors to all FIRE activities.

List of Acronyms and Abbreviations

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| CREW | Cognitive Radio Experimentation World |
| FIA | Future Internet Assembly |
| FIRE | Future Internet Research and Experimentation |
| IBBT | Interdisciplinary Institute for Broadband Technology |
| ICT | Information and communication Technologies |
| imec | Interuniversity Micro-Electronics Centre |

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1 Introduction

This initial report on the CREW contribution to FIRE (Future Internet Research and Experimentation) support actions holds a list of FIRE meetings, FIRE conferences and FIRE workshops that were attended by CREW members. In addition, we list the publications for which input was provided. Where relevant, this document provides a pointer to public documents where more information can be found on the outcome of the considered event.

2 Attendance to FIRE events

CREW participated actively in the FIRE events listed below, ordered by date of the event. By participating to these events, CREW had the opportunity to share its goals and offerings with a broad audience, and was able to discuss current and future approaches with a relevant audience. During all events, the CREW open call was also promoted.

2.1 ICT 2010 event (Brussels, Belgium)

date of event: September 27-29, 2010

CREW organized a networking session, entitled “Cognitive radio and networking: the need for experimentally-driven research”. Furthermore, a demonstration of the IBBT w-iLab.t testbed and the imec sensing agent was presented at a CREW booth throughout the event. The other components of the CREW infrastructure were also presented to the visitors by means of a poster presentation.

2.2 FIRE session at the Future Internet Conference week (Ghent, Belgium)

date of event: December 13-17, 2011

Two general presentations on the CREW project were given (one at the FIRE conference, one at the FIA conference.) In addition, there was a demonstration at the exhibition at the joint demonstration evening at the ServiceWave 2010 conference, and throughout the entire event. The demonstration that was shown was an evolution on the previous demonstration, where a single imec sensing agent was now successfully integrated in the w-iLab.t testbed.

2.3 1st FIRE open call information day + preparation meeting (Brussels, Belgium)

date of event: February 9, 2011

During the first open call day, CREW was presented in the plenary session. Preliminary information on the CREW open call was shared.

2.4 FIRE workshop on benchmarking (Budapest, Hungary)

date of event: May 16, 2011

At the Future Internet Week in Budapest, CREW co-organized a session on measurements and benchmarking together with Jerker Wilander from FIRESTATION. The presentations of the session are available online: <http://www.ict-fire.eu/events/fire-research-workshop.html> .

2.5 2nd FIRE open call information day (Brussels, Belgium)

date of event: September 14, 2011

The second FIRE open call day followed a similar format as the first FIRE open call day. Again, details on the CREW project and, more specifically, the CREW open call, were shared with a plenary audience. Furthermore, in an afternoon session dedicated to CREW, several CREW partners were present to share the details on the individual CREW components with the audience.

3 FIRE architecture board

CREW attended and participated actively to all FIRE architecture board meetings. A diverse range of topics were discussed in the architecture board. In the list of events below, we do not aim to present a full list of matters that were discussed. However, where relevant, some of the direct CREW contributions are highlighted.

- **September 27, 2010, Brussels, Belgium**

The CREW project was presented to the architecture board.

- **December 14, 2010, Ghent, Belgium**

The benchmarking concepts that are addressed in CREW were presented to the board.

- **February 8, 2011, Brussels, Belgium**

CREW presented (anonymized) results of a project-internal sustainability questionnaire.

- **May 17, 2011, Budapest, Hungary**

CREW reported on the FIRE benchmarking workshop that was co-organized by CREW one day before the architecture board meeting.

- **September 15, 2011, Brussels, Belgium**

CREW presented the organization and content of the public CREW portal to the board.

4 Contributions to FIRE publications

4.1 FIRE portfolio analysis

CREW interacted with FIREWorks to come to the FIRE Portfolio Analysis. An executive summary is available online: <http://www.ict-fire.eu/home/publications/deliverables/fire-portfolio-analysis.html>.

4.2 FIRE brochure

CREW contributed to the two versions of the FIRE brochure (release of the second version of the brochure is still pending at the time of writing). The FIRE brochure is distributed during different FIRE events and holds an overview of the FIRE facility projects, and the infrastructure that is made available.

An electronic version of the brochure can be downloaded from the FIRE website: <http://www.ict-fire.eu/home/publications.html>.

4.3 White paper on benchmarking computers and computer networks

CREW is the main editor and main contributor to a “White Paper on Benchmarking Computers and Computer Networks”. The paper describes why researching benchmarking strategies for computers and (wireless) computer networks is still relevant today. The benchmarking framework presented in the white paper is in fact a simplified version of the CREW benchmarking framework, as explained in other CREW deliverables. In the white paper, three use cases for benchmarking are described; one of these use cases is a CREW use case. The other use cases are contributed by representatives of the BonFire and Onelab2 projects.

A first release of the white paper was available in the beginning of May 2011. A second version of the whitepaper, now including a more elaborate example of wireless benchmarking, was released mid-August 2011.

The most recent white paper is available from the CREW website (<http://www.crew-project.eu/documents>), or FIRE website (<http://www.ict-fire.eu/home/publications/papers.html>).

5 Workgroups

Some discussions at the architecture board or other events are grouped under ad-hoc created FIRE workgroups and workshops. CREW is participating / has participated in the following workgroups:

- **Benchmarking workgroup.** As partially indicated above, discussions on benchmarking resulted in the aforementioned FIRE workshop session in Budapest, and the joint white paper. Members from the CREW project set up a benchmarking mailing list. We are currently in the process of looking for a more formalized way of collaboration with other FIRE projects.
- **Sustainability workgroup.** As mentioned above, CREW presented the results of an internal CREW sustainability questionnaire at the Architecture Board on February 8, 2011.
- **Experiment management tools for federated testbeds.** CREW attended and contributed to the FIRESTATION organized workshop in Brussels on November 23, 2010. The report of this event may be downloaded from <http://www.ict-fire.eu/uploads/media/20101123-Workshop-Experiment-Management-Report-final1.0.pdf>.

CREW will keep following the activities in these FIRE workgroups.

6 External relations

On demand, CREW regularly provides a list of events at which members of the CREW consortium are presenting or demonstrating CREW-related matters. These events are then published on the FIRE website under <http://www.ict-fire.eu/events.html>.

Note that an up-to-date overview of future and past events is also available directly at the CREW website, via <http://www.crew-project.eu/events> or <http://www.crew-project.eu/pastevents> respectively.

7 Conclusions and outlook

In the first project year, CREW actively contributed to a wide selection of FIRE events and FIRE-related activities or publications: CREW set up stands and demonstrations on several exhibitions, participated to all FIRE architecture boards, contributed to brochures, edited a joint white paper, and attended all major FIRE events.

In the near future, CREW will participate to the FIRE week in Poznan (October 2011). Apart from a demonstration at the joint demonstration evening, a talk on the need for wireless benchmarking will be given.

CREW is planning to continue these efforts in order to maximize impact of the CREW project in the FIRE community and beyond.