



Dynamic Compilation Everywhere (DCE 2016)

Fifth International Workshop :

[Dynamic compilation from SoC to Web Browser via HPC](#)

Held in conjunction with the International

[Symposium on Code Generation and Optimization](#) (CGO) in Barcelona



Following the four previous issues and the HiPEAC thematic session on dynamic compilation in Paris, we are pleased to suggest you to submit proposals to our workshop.

Topics : General purpose as well as integrated processors nowadays have to run programs written in a wide variety of languages with isolation concerns. Dynamic compilation, i.e. generate binary code at run-time, is becoming a viable solution for many usage scenarios and drivers have been emerging as well, triggered by the dynamic nature of today's increasingly virtualized computing environments. The goal of this workshop is to present current research and look forward to what is going to happen in this field of growing interest for the coming years.

Keywords : Performance, power constraints, time constraints, thermal constraints, improved reliability, security, IP protection, cross-layer optimization, virtualization, high performance computing, JAVA, Javascript, DBT, emulation, Just-In-Time (JIT) compilation, runtime execution environment, dynamic optimization, etc.

Objectives :

- **Gather multiple communities** : where dynamic compilation is in use
- **Show the wide usage range of dynamic compilation**

Articles + presentation	Presentations only
Articles will be selected based on <ul style="list-style-type: none">- Scientific interest but also tutorial nature : we want to reach nearby communities and create interest in dynamic compilation- Dynamic compilation usage : we want to cover the largest possible spectrum of dynamic compilation and optimization uses	Presentations can be : <ul style="list-style-type: none">- tutorials- tool demonstrations,- work in progress,- industrial presentation- etc

Important dates

Article submission : Friday 15 Jan 2016 **Acceptance** : Monday 1 Feb 2016
Camera ready : Monday 15 Feb 2016 **Workshop** : Sunday 13 March 2016

Article format : 6 to 10 pages using the 7x10 ACM format. Article will be published on HAL, an open archive system : https://hal.archives-ouvertes.fr/	Presentation only format : 1 page abstract
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Web sites :for submissions : <https://www.easychair.org/conferences/?conf=dce2016>
- for news about the workshop : <https://dynamiccompilationeverywhere.wordpress.com/>

Program committee :

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Bjoern Franke Reader School of Informatics University of Edinburgh, England
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