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ETX 2014 workshop chairs' foreword

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ETX 2014 Workshop Chairs' Foreword

It is our great pleasure to welcome you to the *2014 Eclipse Technology eXchange Workshop,* sponsored by ACM SIGPLAN. This year's workshop continues the tradition of bringing together researchers and practitioners to discuss potential new uses of Eclipse in research and education as well as how Eclipse can leverage novel work in, e.g., programming languages and software engineering research. ETX has been a very successful workshop at OOPSLA from 2003-2007 and given that the Eclipse Ecosystem is still very relevant for research and education we felt that it was time to revive ETX at SPLASH.

Due to the longer hiatus, the response to our call for papers was a little lower than what we had hoped for, but after a rigorous round of reviews we had three submissions that were accepted. We decided to complement the program with two invited talks and provided authors and attendees with an opportunity to showcase some of their Eclipse-related work in an open demonstration session.

In the first invited talk, Anish Karmarkar from Oracle presented the standardization work on *CAMP (Cloud Application Management for Platforms)*, a standard for managing software applications on PaaS cloud platforms. Since the cloud is an ongoing hot topic and has led to the proliferation of the DevOps model, his talk could provide interesting insights into the interrelation between development, deployment, and operation of software systems in the cloud, an area where IDEs could and arguably need to play a much stronger role in the future.

Tamás Szabó from itemis AG was the second invited speaker and talked about *mbeddr*, a set of extensible and integrated languages for embedded software development. *mbeddr* is a customizable IDE that is built on the Meta Programming System (MPS) from JetBrains. MPS directly works on the Abstract Syntax Tree of the IDE contents and this model is projected to the user for editing. *mbeddr* utilizes the capabilities of the projectional editor by providing various notations (projections) for the developers; apart from the regular source code, developers can easily embed tables, complex mathematical formulas and diagrams right into to the text.

Putting together *ETX 2014* would not have been possible without the outstanding work of our program committee members who worked very hard on the reviews and gave valuable feedback to the authors. We would like to thank the PC committee for their time and effort. Furthermore, we would like to thank the authors and invited speakers for providing the content of the program and all workshop participants for the interesting and inspiring discussions.

We hope that you will find this program interesting and thought-provoking and that we have set the foundation for turning ETX once again into a strong workshop that facilitates the dialog between the Eclipse and the research community.

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