Workshop Preview of the 2015 Workshop on New Object-Oriented Languages (NOOL 2015)

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Abstract

NOOL-15 is a new unsponsored workshop to bring together users and implementors of new(ish) object oriented systems. Through presentations, and panel discussions, as well as demonstrations, and video and audiotapes, NOOL-15 will provide a forum for sharing experience and knowledge among experts and novices alike.

Categories and Subject Descriptors   D.3.3 [**Programming Languages**]: Language Constructs and Features.

General Terms   Algorithms, Management, Measurement, Documentation, Performance, Design, Economics, Reliability, Experimentation, Security, Human Factors, Standardization, Languages, Theory, Legal Aspects, Verification.

Keywords   OO

1.   Workshop Description

We invite technical papers, case studies, and surveys in the following areas:

- Theory: Including core definition of object oriented programming, semantic models and methodology.

- Languages: New object oriented languages, extensions to conventional languages, and existing languages.

- Implementation: Including architectural support, compilation and interpretation, and special techniques.

- Tools and Environments: Including livecoding, user interfaces, utilities and operating system support.

- Applications: Commercial, educational, and scientific applications that exploit object oriented programming.

- Related Work: The object oriented paradigm in other fields such as databases and operating systems.
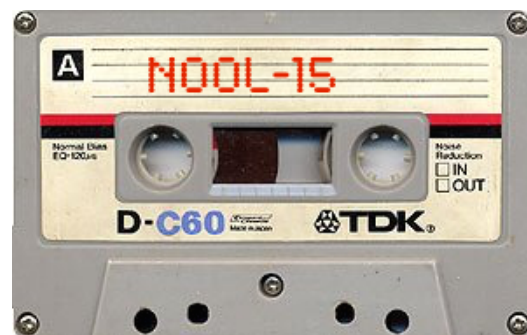
Video and audio submissions must not run longer than 5 minutes. Videotape submissions must be on 3/4-inch U-Matic format tape. Audio submissions must be on compact cassette.

NOOL-15 is a curated workshop. Interested presenters are invited to submit proposal (1 page 2 column 10pt ACM SIGPLAN format) to the chair of the organising committee either by emailing a PDF to alex@ecs.vuw.ac.nz or posting 5 hard copy versions that arrive no later than 1 September 2015; proposals will not be reviewed, but the committee will aim to produce a programme we think will result in an interesting workshop. NOOL-15 will not have a formal proceedings, however if there is interest, presenters may have the option of expanding on their presentation to appear in a post-conference technical report.

Small Print: No correspondence will be entered into regarding unsuccessful proposals. Any relationship between the NOOL-15 workshop CFP and the OOPSLA-86 conference CFP is purely intentional:

https://www.computer.org/csdl/mags/co/1986/01/01663031.pdf

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2. Program Committee

- Yvonne Coady, University of Victoria
- Sean McDirmid, Microsoft Research
- William Cook, UT Austin
- Crista Lopes, University of California, Irvine

3. Accepted Talks

There are 11 accepted talks in the workshop and our program is available online:

http://2015.splashcon.org/track/nool2015#program

The presentations describe object-orientation in shell scripting and systems programming, new concurrency paradigms, formal reasoning, inheritance and delegation paradigms, as well as education and typing (or lack thereof).

- Behavioural Prototypes by Roly Perera, Simon J. Gay

- Beyond Bash: Shell scripting in a statically-typed, object-oriented language by Li Haoyi

- Classes Considered Harmful by Andrew Black

- Delegation isn't quite Inheritance: Objects, Classes and Initialisation in Grace by James Noble

- Enforcing Object-based Access in Newspeak by Ryan Macnak, Gilad Bracha

- Gradual typing is morally incorrect; we're all monsters now by Timothy Jones, Michael Homer

- Inversion in Programming Language Design: The Encore Way by Dave Clarke, Tobias Wrigstad, Nobuko Yoshida, Frank S. de Boer, Einar Broch Johnsen

- Proposal for an Object-Oriented Multiple Dispatch Mechanism by Miguel Oliveira e Silva

- Rust: Idioms and Design Patterns by Nicholas Cameron

- Ubiquitous Object Orientation to Foster the Advancement of Programming Languages by Darya Kurilova

- Whiley: a Better C? by David Pearce