10th Workshop on Evaluation and Usability of Programming Languages and Tools

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## Contents

**Preface**

Sarah Chasins, Elena Glassman, and Joshua Sunshine ........................... 0:vii

**Regular Papers**

Approaching Polyglot Programming: What Can We Learn from Bilingualism Studies?

*Rebecca L. Hao and Elena L. Glassman* ............................................. 1:1–1:7

A Pilot Study of the Safety and Usability of the Obsidian Blockchain Programming Language

*Gauri Kambhatla, Michael Coblenz, Reed Oei, Joshua Sunshine, Jonathan Aldrich, and Brad A. Myers* ............................................ 2:1–2:11

Type-Directed Program Transformations for the Working Functional Programmer

*Justin Lubin and Ravi Chugh* ......................................................... 3:1–3:12

Designing Declarative Language Tutorials: A Guided and Individualized Approach

*Anael Kuperwajs Cohen, Wode Ni, and Joshua Sunshine* ....................... 4:1–4:6

Human-Centric Program Synthesis

*Will Crichton* .......................................................... 5:1–5:5

Is a Dataframe Just a Table?

*Yifan Wu* .......................................................... 6:1–6:10

Live Programming Environment for Deep Learning with Instant and Editable Neural Network Visualization

*Chunqi Zhao, Tsukasa Fukusato, Jun Kato, and Takeo Igarashi* .................. 7:1–7:5
Programming languages exist to enable programmers to develop software effectively. But programmer efficiency depends on the usability of the languages and tools with which they develop software. The aim of the Workshop on Evaluation and Usability of Programming Languages and Tools (PLATEAU) is to discuss methods, metrics, and techniques for evaluating the usability of languages and language tools. The supposed benefits of such languages and tools cover a large space, including making programs easier to read, write, and maintain; allowing programmers to write more flexible and powerful programs; and restricting programs to make them more safe and secure. The 10th Workshop on Evaluation and Usability of Programming Languages and Tools (PLATEAU 2019) was held on October 24, 2019 in New Orleans, Louisiana, USA, and collocated with UIST 2019. The workshop gathered the intersection of researchers in the programming languages and human-computer interaction communities to share their research and discuss the future of evaluation and usability of programming languages.

It is our pleasure to present this year’s proceedings. Together, these papers demonstrate the remarkable scope and applicability of the workshop, with topics that include software development techniques, software evolution, programming by example, and empirical studies in human-computer interaction. Our thanks go to the authors, reviewers, speakers, and attendees, without whom this workshop would not have been possible.

Joshua Sunshine, Elena Glassman, and Sarah Chasins PLATEAU 2019 Co-Chairs