# 2023 IEEE/ACM International Workshop on Interpretability and Robustness in Neural Software Engineering (InteNSE 2023)

Melbourne, Australia 14 May 2023



IEEE Catalog Number: ISBN:

CFP23IZ6-POD 979-8-3503-0173-1

### Copyright © 2023 by the Institute of Electrical and Electronics Engineers, Inc. All Rights Reserved

*Copyright and Reprint Permissions*: Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limit of U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923.

For other copying, reprint or republication permission, write to IEEE Copyrights Manager, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854. All rights reserved.

### \*\*\* This is a print representation of what appears in the IEEE Digital Library. Some format issues inherent in the e-media version may also appear in this print version.

IEEE Catalog Number:	CFP23IZ6-POD
ISBN (Print-On-Demand):	979-8-3503-0173-1
ISBN (Online):	979-8-3503-0172-4

#### Additional Copies of This Publication Are Available From:

Curran Associates, Inc 57 Morehouse Lane Red Hook, NY 12571 USA Phone: (845) 758-0400 Fax: (845) 758-2633 E-mail: curran@proceedings.com Web: www.proceedings.com



2023 IEEE/ACM International Workshop on Interpretability and Robustness in Neural Software Engineering (InteNSE) InteNSE 2023

**Table of Contents** 

## 2023 IEEE/ACM International Workshop on Interpretability and Robustness in Neural Software Engineering (InteNSE)

Study of Distractors in Neural Models of Code Md Rafiqul Islam Rabin (University of Houston, USA), Aftab Hussain (University of Houston, USA), Sahil Suneja (IBM Research, USA), and Mohammad Amin Alipour (University of Houston, USA)	1
Probing Numeracy and Logic of Language Models of Code Razan Baltaji (University of Illinois at Urbana-Champaign) and Parth Thakkar (University of Illinois at Urbana Champaign)	8
A Study of Variable-Role-based Feature Enrichment in Neural Models of Code Aftab Hussain (University of Houston), Md Rafiqul Islam Rabin (University of Houston), Bowen Xu (Singapore Management University), David Lo (Singapore Management University), and Mohammad Amin Alipour (University of Houston)	14