2022 IEEE/ACM 4th **International Workshop on Bots** in Software Engineering (BotSE 2022)

Pittsburgh, Pennsylvania, USA 9 May 2022



IEEE Catalog Number: CFP22T81-POD ISBN:

978-1-6654-6222-8

Copyright © 2022, Association for Computing Machinery **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: CFP22T81-POD ISBN (Print-On-Demand): 978-1-6654-6222-8 ISBN (Online): 978-1-4503-9333-1

Additional Copies of This Publication Are Available From:

Curran Associates, Inc 57 Morehouse Lane Red Hook, NY 12571 USA

Phone: (845) 758-0400 (845) 758-2633

Fax: E-mail: curran@proceedings.com www.proceedings.com



2022 IEEE/ACM 4th

International Workshop on Bots in Software Engineering

(BotSE)

BotSE 2022

Table of Contents

BotSE 2022 Organizing Comm	Organizersnittee	viii
BotSE 2022 Program Committ	ee	ix
2022 Fourth International Workshop on Bots in Software Engineering		
On the Accuracy of Bot Detecti Mehdi Golzadeh (University o (University of Mons, Belgium of Mons, Belgium)	ion Techniques of Mons, Belgium), Alexandre Decan i), and Natarajan Chidambaram (University	1
Natarajan Chidambaram (Un	Multiple Repositories to Improve Bot Detectioniversity of Mons, Belgium), Alexandre Decann, and Mehdi Golzadeh (University of Mons,	6
e e e e e e e e e e e e e e e e e e e	nversational Bot to Identify Hypotheses for Software Start ty of Bozen-Bolzano, Italy) and Xiaofeng zen-Bolzano, Italy)	tups 10
	es in Model-Driven Development and Operations Belgium) and Valery Ramon (CETIC, Belgium)	14
Juan Carlos Farah (École Poly Switzerland), Basile Spaenleh Lausanne, Switzerland), Xiny Singapore), Sandy Ingram (U	tions to Bot Comments on GitHub ptechnique Fédérale de Lausanne, auer (École Polytechnique Fédérale de gang Lu (Nanyang Technological University, Iniversity of Applied Sciences, et (École Polytechnique Fédérale de	18
Hamid Mohayeji (Eindhoven Felipe Ebert (Eindhoven Univ Eric Arts (Eindhoven Univers Constantinou (Eindhoven Un	ot on GitHub: A Preliminary Study	23

Classifying Issues into Custom Labels in GitBot	28
Doje Park (Gyeongsang National University, Republic of Korea), Heetae	
Cho (Gyeongsang National University, Republic of Korea), and Seonah	
Lee (Gyeongsang National University, Republic of Korea)	
Austhon Indox	22
Author Index	33