

SOTICS 2023

The Thirteenth International Conference on Social Media Technologies, Communication, and Informatics

November 13th – 17th, 2023

Valencia, Spain

SOTICS 2023 Editors

Jose Miguel Jimenez, Universitat Politecnica de Valencia, Spain

Printed from e-media with permission by:

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



Some format issues inherent in the e-media version may also appear in this print version.

Copyright[©] (2023) by International Academy, Research, and Industry Association (IARIA) Please refer to the Copyright Information page.

Printed with permission by Curran Associates, Inc. (2024)

International Academy, Research, and Industry Association (IARIA) 412 Derby Way Wilmington, DE 19810

Phone: (408) 893-6407 Fax: (408) 527-6351

petre@iaria.org

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 Email: curran@proceedings.com Web: www.proceedings.com

Table of Contents

| Stock Price Prediction Based on Investor Sentiment Using BERT and Transformer Models Chien-Cheng Lee and Anish Sah | 1 |
|---|----|
| From Unstructured Data to Digital Twins: From Tweets to Structured Knowledge Sergej Schultenkamper, Frederik Simon Baumer, Yeong Su Lee, and Michaela Geierhos | 6 |
| Emoji Trends Between Abnormal Usage and Cultural Differences: A Case Study of Emojis Ahmed Almohanadi and Shohei Tokyo Yokoyama | 12 |