2021 International Conference on Platform Technology and Service (PlatCon 2021)

Jeju, South Korea
23-25 August 2021

IEEE Catalog Number: CFP21B77-POD
ISBN: 978-1-6654-1767-9

Copyright © 2021 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: CFP21B77-POD
ISBN (Print-On-Demand): 978-1-6654-1767-9
ISBN (Online): 978-1-6654-1766-2

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

Table of Contents

Platform Technology and Service

Transparent Web of Things Discovery in Constrained Networks Based on mDNS/DNS-SD ····· **1**
Yi-Hsiu Chiu, Chun-Feng Liao, Kung Chen

The Adoption of Design Thinking, Agile Software Development and Co-Creation Concepts: A Case Study of Digital Banking Innovation ····· **7**
Elisa Indriasari, Harjanto Prabowo, Ford Gaol, Betty Purwandari

A Comparative Analysis of Tree-Based Models for Day-Ahead Solar Irradiance Forecasting ····· **13**
Jihoon Moon, Zian Shin, Seungmin Rho, Eenjun Hwang

Automatic Stroke Medical Ontology Augmentation with Standard Medical Terminology and Unstructured Textual Medical Knowledge ····· **19**
SoonHyun Kwon, Jaehak Yu, Se Jin Park, Jong-arm Jun, Cheol Sig Pyo

Design and Implementation of Real-Time Bio Signals Management System Based on HL7 FHIR for Healthcare Services ····· **24**
Jaehak Yu, SoonHyun Kwon, Se-Jin Park, Jong-arm Jun, Cheol Sig Pyo

An Efficient Neural Network Based on Early Compression of Sparse CT Slice Images ····· **30**
A-Seong Moon, Sanghyuck Lee, Sung-Hyun Cho, Tae-Won Lee, Hanyong Lee, Jaesung Lee

CEMO: Cloud Edge Architecture Development for a Multi Object Tracking ····· **35**
JiHyun Seo, Jae-Geun Cha, Hyun Hwa Choi, Su Min Jang, Dae Won Kim, Sunwook Kim

Future Security and Privacy

MitM Tool Analysis for TLS Forensics ····· **39**
Minju Kim, Yeonghun Shin, Taeshik Shon

Public Sector Digital Transformation

Integrated Disaster Information Transmission Platform Based on Connecting Multi-Channel ····· **43**
Sang-Gu Jeong, Seung-Hee Oh, Kyungsub Cho, Hyunjoo Kang, Woo-Sug Jung, Yong-Tae Lee

Ethical Chatbot Design for Reducing Negative Effects of Biased Data and Unethical Conversations ····· **47**
Junseong Bang, Sineae Kim, Jang Won Nam, Dong-geun Yang

Implementation of Generative Model Based Solver for Mathematical Word Problem with Linear Equations ····· **52**
Gayoung Kim, Seonho Kim, Junseong Bang