

2025 International Conference on Protection and Automation of Power Systems (IPAPS 2025)

**Tehran, Iran
7-8 January 2025**



**IEEE Catalog Number: CFP25AB3-POD
ISBN: 979-8-3315-1378-8**

**Copyright © 2025 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:	CFP25AB3-POD
ISBN (Print-On-Demand):	979-8-3315-1378-8
ISBN (Online):	979-8-3315-1377-1

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

CURRAN ASSOCIATES INC.
proceedings
.com

2025 International Conference on Protection and Automation of Power Systems (IPAPS)
7-8 Jan. 2025, University of Tehran, Tehran, Iran.

	ARTICLE TITLE	AUTHORS
1	Fault Location on Tap-Off Transmission Lines Using Unsynchronized Measurements of Relays	<i>Ahmad Salehi Dobakhshari</i>
6	Practical Scenarios to Evaluating Inrush Current Detection Function	<i>Nader Jalali Marand, Ali Saeidifar, Hassan Sam Daliri, Seyf ollah Afzalian Tabar, Mostafa Keramat, Hossein Askarian Abyaneh,</i>
11	Stacking ML-based Fault Detection and Classification in Transmission Lines	<i>Mohadese Dejahag, Hassan Sam Daliri, Nader Jalali Marand, Hamid Reza Baghaee, Hamed Nafisi, Hossein Askarian Abyaneh,</i>
16	Inverter-Based Resources Impact on the Performance of Distance Relays Out-of-Step Function	<i>Armin Nuri Imani, Reza Bekhradian, Majid Sanaye-Pasand</i>
23	Proposing Cyber Security Vulnerability and Exposure Indices for Detailed Cybersecurity Risk Management of Industrial Automation and Control Systems	<i>Mohammad Mehdi Ahmadian, Bahareh Maleki Rad, Mohammad Hosein Ahmadian</i>
30	A Novel Algorithm for Fault Location on Stitched Parallel Lines	<i>Amir Mohammad Zare Boosari, Ahmad Salehi Dobakhshari, Seyed Ali Momeni</i>
36	Detecting False Data Injection Attacks in DC Microgrids	<i>Fatemeh Balaghi, Rahman Dashti</i>