2016 IEEE International Symposium on Technology and **Society (ISTAS 2016)**

Kollam, India 20 – 22 October 2016



IEEE Catalog Number: CFP16SIT-POD ISBN:

978-1-5090-2499-5

Copyright © 2016 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 publication is a representation of what appears in the IEEE Digital Libraries. Some format issues inherent in the e-media version may also appear in this print version.

IEEE Catalog Number: CFP16SIT-POD ISBN (Print-On-Demand): 978-1-5090-2499-5 ISBN (Online): 978-1-5090-2498-8

ISSN: 2158-3404

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



Proceedings of the **2016 IEEE International Symposium on Technology and Society (ISTAS)**

20-22 October 2016 | Trivandrum, Kerala, India

Table of Contents

Sl. No.	Paper ID.	Title & Authors	Page No.
1.	1570277904	Analysis of the Ethical Perception of Engineering Graduates in India: A case study Srinjoy Nag Chowdhury, Saniya Dhawan, Akshay Agnihotri	N/A
2.	1570278479	The Vulnerability Assessment for Emergency Response Plans Arni Ariani, John Lewis, Pradeep K. Ray	7-10
3.	1570279082	Intersecting Our Mobilities: Path Dependence from Manually-Operated Semaphore to Self-Driving Vehicles? Milos N. Mladenovic, Montasir M. Abbas, Pascale-L. Blyth, Iisakki Kosonen	11-16
4.	1570279111	Human Rights in Smart Cities: A Case Study Srinjoy Nag Chowdhury, Saniya Dhawan, Akshay Agnihotri	N/A
5.	1570283596	Facilitating Digital Communication in Seniors Jacqueline Blake, Pradeep Ray	22-25
6.	1570287104	Internet of Trains - A Safer Autonomous Long Distance Transportation Sugumar Balasubramaniam	26-31
7.	1570289333	Green IT Self-efficacy: A Point to Ponder? Parvathi Jayaprakash, R. Radhakrishna Pillai	32-37
8.	1570298142	Sociology of the Docile Body: Bio-tech Constancy and Its Potential to Enslave Sharon R. Bradley-Munn, Katina Michael, M.G. Michael	38-43
9.	1570298982	Plagiarism: A Serious Ethical Issue for Indian Students - Critical Study on Impacting Factors Kamalakar Pallela, Sneha Talari	44-49
10.	1570298997	Distributed Energy Integration and Transactive Energy Framework for a Developing Economy Vinod V Nair, Usha Nair	50-55
11.	1570299252	A Model for the Introduction of Ayurvedic and Allopathic Electronic Health Records in Sri Lanka Andrew Stranieri, Tony Sahama, Kerryn Butler Henderson, Kamal Perera	56-61
12.	1570299566	The Techno-Economic Feasibility of Providing Solar Photovoltaic Backup Power: Load Matching at Times of Loss of Grid Supply G. Pillai, J. Hodgson, C. C. Insaurralde, M. Pinitjitsamut, S. Deepa	62-67

13.	1570299567	Creating a Humanized Internet: The Role of Digital Identity — A Framework Akram Alfawakheeri, Mark Kovarski, Aron Dutta, Monique Morrow, Vivien Shen	N/A
14.	1570299645	Smart Technologies for Sustainable Enterprise Resource Management: An Illustration of Progress and Prospects Guruprakash Sastry, Ramesh Rame Gowda, Aruna Newton, Gopakumar	71-75
15.	1570299647	Low Cost Smart Glove for Universal Control of IR Devices Muthiah M, Aswin Natesh V	76-80
16.	1570299665	Sensor Based Coaching for A Fit and Healthy Society Vijayaraghavan Varadharajan, Vikas Kannav, Anjaneyulu Pasala	81-85
17.	1570299845	TownshipNet: A Localized Hybrid TVWS-WiFi and Cloud Services Network Senka Hadzic, Amreesh Phokeer, David Johnson	86-91
18.	1570300355	Transformative e-Governance and Innovation: Challenges and Impact of Mass Contact Program of Chief Minister of Kerala 2013-15 S. Gopakumar	92-95
19.	1570302354	A Framework for Information Access in Rural and Remote Communities Sameer Verma, John P. Ryan	96-99
20.	1570302592	Digital Inclusion for the Differentaly-abled Farmers: mKRISHI® CCA – A case Study in Dhar, MP Dineshkumar Singh, Srinivasan Karthik, Aditya Tiwari, Siddhesh Nar, Divya Piplani, Nandan Rajput	100-105
21.	1570302847	mKRISHI® Fisheries: A case study on Early Warning System (EWS) for Disaster Communication and Management Dineshkumar Singh, Divya Piplani, Sujit Shinde, Srinivasan Karthik	106-111
22.	1570303877	ICT Enabled tool for Vocational Training and Evaluation of Persons with Mental Retardation Johny KV, Harish G	112-116
23.	1570303924	Sreesakthi Portal – For Gender Empowerment R. Ananthalakshmi Ammal, Sibi C. Joseph, Nishad Aliyarukunju	117-121