2018 IEEE International Conference on Smart Materials and Spectroscopy (SMS 2018)

Hammamet, Tunisia 12-15 October 2018



IEEE Catalog Number: CFP18P51-POD ISBN:

978-1-5386-7184-9

Copyright \odot 2018 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:
 CFP18P51-POD

 ISBN (Print-On-Demand):
 978-1-5386-7184-9

 ISBN (Online):
 978-1-5386-7183-2

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



SMS 2018 Table of Contents

Table of Contents

Analysis and optimization of vibration sensor	1
torsal and caudal real-time ultrasonic measurements in predicting vivo carcass tion of fat-tail Barbarine lambs	
Ballistic-diffusive model	. 12
Nano-Heat flux i n a IR-SOI-MOSFET	18
Heat conduction across Si/SiO2 and Diamond/Si interfaces using DPL model related to temperature jump boundary condition	23