

IET Seminar on Body-Centric Wireless Communications 2013

IET Seminar Digests 2013/15363

**London, United Kingdom
5 July 2013**

ISBN: 978-1-62993-592-8

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© (2013) by the Institution of Engineering and Technology
All rights reserved.

Printed by Curran Associates, Inc. (2014)

For permission requests, please contact the Institution of Engineering and Technology
at the address below.

Institution of Engineering and Technology
P. O. Box 96
Stevenage, Hertfordshire
U.K. SG1 2SD

Phone: 01-441-438-767-328-328
Fax: 01-441-438-767-328-375

www.theiet.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: 845-758-2634
Email: curran@proceedings.com
Web: www.proceedings.com

TABLE OF CONTENTS

Textile Antenna Systems for Positioning and Off-body Communication	1
<i>H. Rogier, S. Agneessens, F. Declercq A. Dierck, W. Joseph, M. Moeneclaey, L. Vallozzi, P. Van Torre, J. Vanfleteren</i>	
Antennas for On/Off Body Communications	18
<i>Richard Langley, Lee Ford, Qiang Bai</i>	
Modelling Challenges of Future Body-Centric Wireless Communications	30
<i>Yang Hao</i>	
Skin-Equivalent Phantoms, Propagation, and Antennas for Body-Centric Communications in the 60-GHz Band	46
<i>Nacer Chahat, Guido Valerio, Carole Leduc, Maxim Zhadobov, Ronan Sauleau</i>	
Advances in Human Phantoms and Implantable Antennas.....	74
<i>Koichi Ito, Ho-Yu Lin</i>	
Bio-electromagnetic Numerical Analysis of Body-worn Antennas	94
<i>Tilmann Wittig, Marc Rutschlin</i>	
RFID Transfer Tattoo Tags and Assisted Living.....	114
<i>John Batchelor, D. Oyeka, M. A. Ziai, O. Rakibet</i>	
Body Worn Antennas for Data Sharing between Dismounted Soldiers	127
<i>J. Pinto, D. Kitchener, L. Tween, R. Lewis</i>	
Author Index	