

IET Seminar on Beyond Ka-Band 2011

Meeting the Communication Bandwidth Requirements of the Future

IET Seminar Digests 2011/14299

**London, United Kingdom
7 November 2011**

ISBN: 978-1-62993-084-8

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© (2011) by the Institution of Engineering and Technology
All rights reserved.

Printed by Curran Associates, Inc. (2013)

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

Hughes Network Systems Europe: Taking Satellite and Terrestrial Broadband Further	1
<i>R. Acton</i>	
Regulatory Policies and Issues for the Provision of Next Generation Satellite Broadband Communications in the Q/V Bands	25
<i>T. Azzarelli</i>	
The Alphasat TDP#5 Experiment and Challenges for Future Q/V-Band Systems Exploitation	51
<i>G. Codispoti, E. Russo, A. Pandolfi, C. Cornacchini, S. Falzini, A. Vernucci</i>	
The Future of Next Generation Satellite Broadband Communications Services: An Operator's View	90
<i>A. Howell</i>	
Beyond Ka-Band: Leveraging Q/V Band to Ensure the Provision and Future Growth of Broadband Satellite Communications	100
<i>N. Gallou, M. Aloisio, P. Angeletti, E. Re, A. Ginesi, R. Gaudenzi, D. Petrolati, C. Ernst, J. Angevain, N. Fonseca, C. Mangenot, L. Rolo, G. Toso, S. Lascar, R. Halm, F. Garat, K. Goodey, D. Mignolo, D. Schmitt</i>	
The Future and Challenges of Next Generation Satellite Broadband Solutions	158
<i>N/A</i>	
Should One Focus on Ka-Band or Look Beyond Ka-Band?	175
<i>K. Singarajah</i>	
Author Index	