

*In This Issue – Technically* . . . . . 2

## Articles

◆ **Security, Internet Connectivity and Aircraft Data Networks** . . . . . 3  
*N. Thanthry, M.S. Ali & R. Pendse*

◆ **Communication System Architecture for Air Traffic Management  
and Weather Information Dissemination** . . . . . 8  
*S. Gallagher, D. Blyth & S. Decker*

◆ **Digital Text Watermarking: Secure Content Delivery and Data  
Hiding in Digital Documents** . . . . . 18  
*M.A. Qadir & I. Ahmad*

◆ **UWB Radar for Human Being Detection** . . . . . 22  
*A.G. Yarovoy, L.P. Lighthart, J. Matuzas & B. Levitas*

◆ **Underwater Glider Navigation in a Nonhomogenous Current** . . . . . 27  
*A.V. Ulanov*

◆ **Current Capabilities of MEMS Capacitive Accelerometers  
in a Harsh Environment** . . . . . 29  
*S. Jean-Michel*

## Conference Reports

◆ **US-Europe ATM R&D Seminar — P. Kostek** . . . . . 33

◆ **Combined 2006 IEEE PLANS/ION Meeting is a Huge Success — R. Schroer** . . . 35

## Columns

◆ **Our Technical Operations — J. Huddle** . . . . . 39

◆ **Waiting to Hear . . . & Tutorials — E.H. Hirt** . . . . . 41

## News & Information

**Distinguished Tutorials Program** . . . . . 38

**Distinguished Lecturers** . . . . . 40

**IEEE Fellows who are AESS Members** . . . . . 42

**IEEE AESS Society Organization** . . . . . 46

**Baltimore, MD Coliseum Hosts Autotestcon 2007** . . . . . 47

**Membership Application** . . . . . 48

**Directory** . . . . . Inside Back Cover

**Meetings** . . . . . Back Cover