

In This Issue – Technically 2

Articles

- ◆ **Satellite-Aided Search and Rescue (SAR) System** 3
M. Ahmed
- ◆ **System for the Measurement of the Amazon** 9
P.B. Ferraro, M. Bauersachs, J. Burns & G. Bataller
- ◆ **Adaptive Rectification Filter for Detecting Small IR Targets** 20
T. Zhang, B. Zhang, K. Zhang, Z. Cheng & Z. Cao
- ◆ **Intelligent Transportation Systems in Transitional & Developing Countries** 27
A. Ali Shah & L.J. Dal

Interworking and Resource Management in Satellite Systems (Series)

PEPsal: Performance Enhancing Proxy for Satellite Communications **Insert**

C. Caini, R. Firrincieli & D. Lacamera

Conference Report

- ◆ **Network-Centric Environment: The Impact on Avionics and Systems** 34
R. Schroer

Columns

- ◆ **Our Effective Connection among Institutions, Industry & University** — *M. Ruggieri* 39
- ◆ **You Win! . . .** — *E.H. Hirt* 41

News & Information

- Eighty Attend Binghamton Tutorial 41
- In Memoriam: Itzhack Bar-Itzhack 42
- Monterey Welcomes PLANS 2008 44
- Distinguished Lecturers 45
- Distinguished Tutorials Program 46
- IEEE AESS Society Organization 47
- Membership Application 48
- Directory **Inside Back Cover**
- Meetings **Back Cover**