

In This Issue – Technically 2

Articles

- ◆ **Role of BIT in Support System Maintenance and Availability** 3
R. Drees & N. Young
- ◆ **AI Techniques in Uninhabited Aerial Vehicle Flight** 8
W.R. Dufrene, Jr.
- ◆ **Use of Laser Scanning Technology for Perimeter Protection** 13
P. Hosmer
- ◆ **Time-Domain Measurements of Radiated and Conducted UWB Emissions** 18
*R.T. Johnk, D.R. Novotny, C.A. Grosvenor,
N. Canales & J.G. Veneman*
- ◆ **Door-Opening System using a Low-Cost Fingerprint Scanner and a PC** 23
M. Faundez-Zauny
- ◆ **Radar Technology in the Czech Republic** 27
P. Bezousek & V. Schejbal

Book Review

- ◆ **Fundamentals of Short-Range FM Radar** 35
I.V. Komarov & S.M. Smolskiy

Standards

- ◆ **Possible UWB Radar Terminology** 38
H. Sun

Conference Reports

- ◆ **Dawn of the Second Century: Racing to Transform the Legacy** 39
R. Schroer
- ◆ **IEEE-USA/AESS Cooperation at PLANS** 43
C. McManes

Correspondence **Inside front cover**

Columns

- ◆ **Your Board at Monterey** — *Paul Gartz* 45
- ◆ **Grants and Chapters** — *Evelyn H. Hirt* 45

News & Information

- Distinguished Lecturers** 46
- IEEE AES Organization** 47
- Membership Application** 48
- Directory** **Inside Back Cover**
- Meetings** **Back Cover**