



IEEE

# VIRGINIA MOUNTAIN SECTION NEWSLETTER

IEEE Region 3, Council 09, Section 65

May 2001

Meeting: Thursday, May 17

## ITT INDUSTRIES NIGHT VISION DIVISION

**Blair Dobbie**

**R&D Systems Engineer: ITT Industries, Night Vision**

( Presentation in lieu of plant tour )

Note: Due to National Security regulations, the usual May Section meeting "Plant Tour" is modified this year to an off-premises in-depth, informative, presentation and discussion.

### THE TECHNOLOGY AND THE PRODUCTS

This presentation will provide a description of ITT Industries' Night Vision business, headquartered in Roanoke, VA. While its number one customer is the U.S. military, ITT also supplies night vision devices to allied military forces as well as select commercial customers, such as law enforcement officers. The presentation will explain how the image intensifier tube – the heart of every night vision system – works and how image intensifier technology has evolved through various "generations." It will illustrate how ITT has continuously improved the performance of its night vision devices, consequently achieving recognition as a world leader in the development and production of this

technology. The presentation also will address the future of military night vision. This portion will include a discussion of "image fusion" – a key technology under development for military applications – and discussion of the increasing electronic content of advanced night vision systems. A description of ITT's military and commercial product lines – including goggles, monoculars, weapon sights, and image intensifier tubes – will be highlighted by a "live" demonstration.

### Last Meeting

The May meeting closes the Section's activities for this season. Have a good summer, see you in September

### Reservations

Date: Thursday May 17, 2001  
Social: 6:30 PM  
Dinner: 7:00 PM  
Talk: 8:00 PM

Cost: Member or Guest \$12.00  
Student \$ 7.00

### Clarion Hotel Roanoke Airport

2727 Ferndale Drive NW  
1581 Exit 3 Hershberger Rd West  
1st Rt. onto Ordway Drive,  
¼ mile, Rt. Into Parking Lot.

Reserve by 5 PM **Monday** May 14

Call:  
**Howard Moses (540) 953-5069**  
or e-mail:

[MMoses@ieee.org](mailto:MMoses@ieee.org)

Leave a message specifying number of attendees.

## 2000-2001 MEETING SCHEDULE

DATE	SPEAKER/TOPIC	MEETING PLACE
September 21 <b>Spouses' Night</b>	Kenneth R. Laker 1999 IEEE Past President 21st Century IEEE The Exemplary Global Engineering Society	Clarion Hotel Roanoke
October 19	James C. Squire Department of Electrical Engineering, VMI Engineering in Clinical Research: A Case Study	Clarion Hotel Roanoke
November 16	David L. Livingston Department of Electrical Engineering, VMI An Introductory Overview of Computational Intelligence	Clarion Hotel Roanoke
January 18	Nancy A. Vorona Virginia Center for Innovative Technology The Electronics Industry in Virginia- Poised for the Future	Clarion Hotel Roanoke
February 15	George J. Blonar Carilion Biomedical Institute Overview of the Institute Activities	Clarion Hotel Roanoke
March 15 *	Steven Edwards Computer Science Department, VT Java Update *	Clarion Hotel Roanoke
April 19	Student Project Night	Clarion Hotel Roanoke
May 17	ITT Briefing "Plant Tour"	Clarion Hotel Roanoke

\* A Web Site "Name Your Topic" Request

### IEEE Virginia Mountain Section

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#### NEWSLETTER

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**Anyone may submit material for the Newsletter**  
**Deadline:**

*Monday following each meeting*

Submit To: Editor

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