

Communication Society Chapter Update - 2014

ComSoc Chapter Congress GLOBECOM 2014

Austin – 8-9 December, 2014

Irfan Lateef – Chair , ComSoc Chapter, NJ Coast Section



Overview

- ▣ IEEE NJ Coast Section Background
- ▣ ComSoc Chapter Background
- ▣ Achievements
- ▣ Technical Talks
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IEEE NJ Coast Section Background

Located 50 miles from New York City on the coast of New Jersey
Membership includes more than 80,000 students

- **Established : March 20, 1965**
- **Current Membership : 1236**
- **Home of many illustrious Organizations**
 - AT&T Labs
 - Bell Labs (Now closed)
 - Fort Monmouth (Now closed)

Chapter Officers

- Chair : Irfan Lateef
- Vice Chair : Newman Wilson
- Treasurer : Deepthi Parachuri
- Secretary : Abbu Sandeep
- Active Volunteers
 - Raghunandan Krishna (Past Chair)
 - Frank Laslo (Past Chair)

ComSoc Chapter Background

Part of IEEE JN Coast Section ...

- Established :
- Current ComSoc Membership : 247
 - Life Senior: 17
 - Life Fellow: 16
 - Life Member: 21
 - Senior Member: 55
 - Member: 105
 - Fellow: 21
 - Grad Student Member: 4
 - Student Member: 6
 - Associate Member: 2



Milestone Achievements

- TIROS-I Milestone

- ❑ **TIROS-I Television Infra-Red Observation Satellite, 1960**

- Located at Info Age Museum NJ Coast Area
 - The TIROS Program (Television Infrared Observation Satellite) was America's first experimental step to determine if satellites could be useful in the study of the Earth.



<http://www.comsoc.org/blog/and-away-ieee-celebrating-tiros>

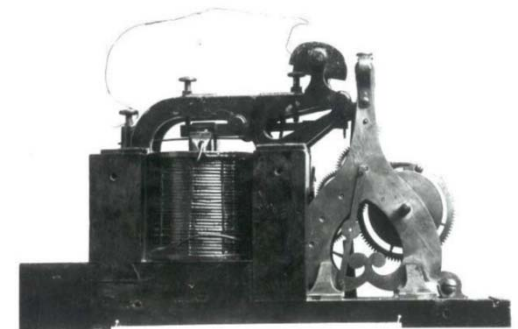
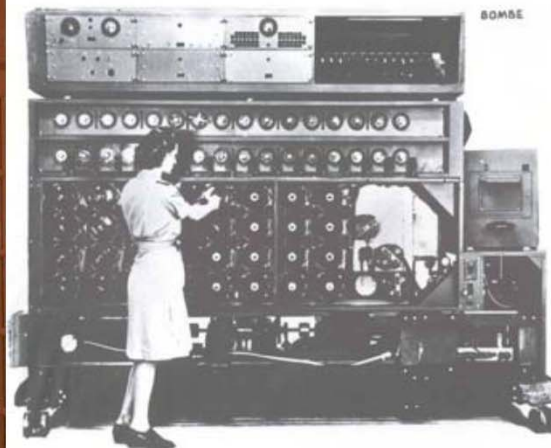
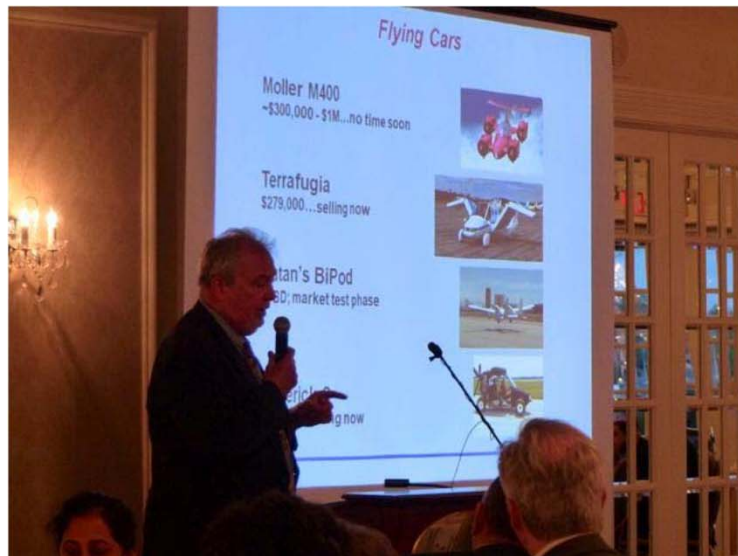
COMSOC 60 years Anniversary

Date: June 6th 2013

Keynote Talk – The Future of Green By Dr. Gee Rittenhouse

Keynote Talk – Flying Cars and Future of Aviation - by Paul Gartz

Slide Show of Communication Technologies



Milestone Approved

➤ ASCII Milestone

- ☐ American Standard Code for Information Interchange (ASCII), 1963
- ☐ Its first widespread commercial implementation was in the American Telephone & Telegraph (AT&T) Teletypewriter eXchange network and Teletype Model 33 teleprinters.

➤ TAT-8 Milestone

- ☐ To be installed in AT&T Labs
- ☐ Trans-Atlantic Telephone Fiber-optic Submarine Cable (TAT-8) - 1988
- ☐ TAT-8, the first fiber-optic cable to cross an ocean, entered service on 14 December 1988. AT&T, British Telecom and France Telecom led the consortium that built TAT-8, which covered a seabed distance of 5846 Km. between North America and Europe.

- Telstar satellite – milestone event commemorating 50th anniversary of launch (part of annual awards night). Several engineers, who worked on the original Telstar team, were invited and honored.

Technical Talks

1. **Networking the Cloud: Enabling Enterprise Computing and Storage** - By KK Ramakrishnan
2. **Distributed Mobility for Future Mobile Internet**
 - By H Anthony Chan , Distinguished Speaker
3. **2013 IEEE North Jersey Advanced Communications Symposium**
 - By Co-Sponsored with North Jersey Chapter
4. **Overview of SDN and NFV**
 - By Irfan Lateef
5. **Curiosity and the Search for Life on Mars (3-D)**
 - By Dr. Ken Kramer
6. **Flying Cars & Other Futures of Aviation**
 - By Paul Gartz – Distinguished Lecture

.... And some other co-sponsored talks

Best Practices

- Timely Reports
 - ❑ L31 etc
- Lot of technical talks
- Commemorative Milestone Events
- Significant contribution from the chapter to WCET (by Rulie Ting)
- Security Conference

Challenges

- Losing Big Organizations
 - ❑ Bel Labs , ATT Labs , Fort Monmouth
- No Big University in chapter area
- No Start up Enterpruneurs

Contact Information

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AWARD Acknowledgement

- ▣ Raghunandan Krishna
- ▣ Frank Laslo
- ▣ Newman Wilson
- ▣ Deepthi Parachuri
- ▣ Sandeep
- ▣ TK Sreenivas

All from IEEE NJ Coast Section Volunteers

End