

**Activities of
IEEE Russia Northwest BT/CE/COM
Chapter,
IEEE Russia Northwest Section**

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History of the Chapter Status

- Established on 18 February 1998 as a Chapter of Broadcast Technology Society, included 16 members
- Status of the Chapter changed to joint BTS/ComSoc Chapter on 14 April 1999
- Status of the Chapter changed to joint BT/COM/CAS Chapter on 27 July 2000
- On 22 October 2003 the status of the Chapter was changed to IEEE St.Petersburg BT/CE/COM Chapter

IEEE Russia Northwest Section

- IEEE Russia Northwest Section was established in 2003
- 10 Chapters of different IEEE Societies
- About 350 IEEE members
- 4 IEEE student branches
- About 6-7 conferences are organized with participation of the Section every year plus many conferences organized with participation of the Chapters

Major Events Organized with the Chapter

- The IEEE/ICC2001/St.Petersburg International Conference on Communications in conjunction with ICC2001 in Helsinki (120 papers)
- Annual conference CSTB ("Cable & Satellite Television, Radio Broadcasting and Broadband"), held in Moscow in February since 1999 along with the big trade show, more than 100 papers are typically submitted to this conference and about 1000 visitors attend it
- A number of conferences, seminars and symposia on Mobile Communications, Next Generation Networks and Systems, Internet of Things and Smart Spaces was held in St.Petersburg

The Tenth IEEE International Symposium on Consumer Electronics (ISCE 2006)

- June 29 – July 1, 2006, St.Petersburg
- About 210 papers from 22 countries were submitted, 130 papers were accepted (23 from Russia)
- June 28 – Tutorial "DVB-H and IP Datacast: Technologies for Broadcasting to Handheld Devices“ by Prof. Ulrich Reimers, Chair of DVB Technical Module

IEEE EUROCON 2009 Conference

- EUROCON 2009 took place in St. Petersburg, Russia on May 18 – 23, 2009
- Devoted to the 150 anniversary of Alexander Popov, Russian scientist and engineer who made the first public demonstration of radio signal transmission and reception on May 7, 1895.
- 17 TPC tracks, 3 special sessions and 3 poster sessions.
- More than 540 submitted papers, more than 150 reviewers, more than 400 papers selected for presentation and publication.

EUROCON 2009 Opening



Doug Zuckerman at the Plenary Session



IEEE Milestones – IEEE Russia

Northwest Section

- **Popov's contribution to the Development of the Wireless Communication, 1895** – *Dedicated 20 May 2005 in St.Petersburg Electrotechnical University "LETI"*

On 7 May 1895, A. S. Popov demonstrated the possibility of transmitting and receiving short, continuous signals over a distance up to 64 meters by means of electromagnetic waves

- **Shilling's pioneering contribution to practical telegraphy, 1828 – 1837** – *Dedicated 18 May 2009 during EUROCON 2009 in the Central Museum of Communications (St.Petersburg)*

In this building, Shilling's original electromagnetic telegraph is exhibited. P. L. Shilling, a Russian scientist, successfully transmitted messages over different distances by means of an electric current's effect on a magnetic needle, using two signs and a telegraph dictionary for transferring letters and digits

Shilling's Telegraph Equipment



IEEE Milestone Plaque

IEEE MILESTONE IN ELECTRICAL ENGINEERING AND COMPUTING

SHILLING'S PIONEERING CONTRIBUTION TO PRACTICAL TELEGRAPHY, 1828-1837

In this building, Shilling's original electromagnetic telegraph is exhibited. P.L. Shilling, a Russian scientist, successfully transmitted messages over different distances by means of an electric current's effect on a magnetic needle, using two signs and a telegraph dictionary for transferring letters and digits. Shilling's demonstrations in St. Petersburg and abroad provided an impetus to scientists in different countries and influenced the invention of more advanced electromagnetic telegraphs.

May 2009



INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS

Chapter Awards

- The chapter has been awarded by 2003 Communications Society Chapter Achievement Award
- The Chapter has been awarded by 2005 Chapter Achievement Award of the IEEE Communications Society as an Excellent Regional Chapter

Recent Events (2016)

- International Symposium «Video and audio signal processing in the context of Neurotechnologies» - SPCN 2016 (St.Petersburg, 30 June – 2 July 2016)
- 16th International Conference on Next Generation Wired/Wireless Advanced Networks and Systems - NEW2AN 2016 (St.Petersburg, 26 - 28 September 2016)
- 9th Conference on Internet of Things and Smart Spaces RUSMART 2016 (St.Petersburg, 26 - 28 September 2016 in conjunction with NEW2AN 2016 conference)
- 2nd Young Researchers International Conference on the INternet of THings and ITs ENablers: "IoT and 5G" - INTHITEN 2016 (St.Petersburg, 7 December 2016)

Activities in 2017 - 2018

- 2017 IEEE Conference of Russian Young Researchers in Electrical and Electronic Engineering
(Moscow and St.Petersburg, 1 – 3 February 2017)
- International Symposium on Video and Audio Signal Processing in the Context of Neurotechnologies – SPCN 2017 (St.Petersburg, 26 - 29 June 2017)
- 17th International Conference on Next Generation Wired/Wireless Advanced Networks and Systems - NEW2AN 2017 (St.Petersburg, 28 - 30 August 2017)
- 10th Conference on Internet of Things and Smart Spaces RUSMART 2016 (St.Petersburg, 28 - 30 August 2017 in conjunction with NEW2AN 2017)

Thank you !