

Professional Profile

Leon A. Pintsov



Dr. Leon A. Pintsov is an internationally recognized authority in the fields of information security, computer imaging, and logistics information technology including e-commerce. He is inventor and co-inventor of over 100 US and International patents and possesses deep expertise in patent management. He retired from Pitney Bowes Inc in 2014 where he was the Chief Scientist and Vice President of International Standards and Advanced Technology.

During 1990s he was one of the key architects of a successful transition of Pitney Bowes major product lines into the digital economy. He created several techniques and algorithms in information including development of the Pintsov-Vanstone Digital Signature Scheme with Message Recovery (ECPVS Digital Signature) together with Professor S. Vanstone from the University of Waterloo in Canada. The ECPVS Digital Signature is a widely recognized and used technique that is optimized for protecting information in computationally constrained environments such as RFID and payment devices. It has been standardized by International Standards Organization (ISO), American National Standards Institute (ANSI), IEEE, Centre European de Normalisation (CEN) and Universal Postal Union (a United Nations' organization).

In the field of document imaging and document security he developed and patented several new algorithms for processing of noisy images and for document image authentication using public key cryptography. In the economics of information processing Dr. Pintsov made pioneering contributions by initiating investigation of postage payment as a study of transaction costs and by making significant advances in development of innovative approaches to Universal Service Obligations and postal product innovation in liberalized and reformed postal markets.

Dr. Pintsov co-authored a book on computer modeling of imaging devices and published over 40 scientific papers. He is inventor and co-inventor of 101 US and 125 International patents in 16 countries.

Dr. Pintsov was a keynote speaker, an invited speaker and a presenter at 30 major international conferences on electronic commerce, public key cryptography, information security, computer imaging, postal technology and postal economics. He organized and chaired First International Workshop on Bar Code Readability in Paris (2007), Innovation @Work conferences at Pitney Bowes in conjunction with Connecticut Technology Council (2005, 2010) and several successful Pitney Bowes Information Security and Technology Conferences. In 2009 Dr. Pintsov delivered Distinguished Lecture in Applied Cryptography at University of Calgary, Canada. He organized and developed a permanent Pitney Bowes cryptographic exhibit at the USA National Cryptographic Museum at Fort Meade in Maryland.

Dr. Pintsov was recognized as Pitney Bowes Inventor of the Year in 1996 and 1997, the highest technical award in Pitney Bowes. In 2007 he was named a recipient of the “Elliptic Curve Cryptography Visionary Award” in Canada. He is a Senior Member of the Institute of Electrical and Electronics Engineers and a member of Connecticut Academy of Science and Engineering. He is also a member of the Editorial Board of the International Journal of Advanced Logistics.

Dr. Pintsov was one of the most active members of international and American national standardization committees including European Standardisation Centre (CEN) Technical Committee 331 and Universal Postal Union Standards Board and American National Standards Institute where he made significant contributions to the development of information security standards for financial industry.

Dr. Pintsov is active in several boards. He is a founding member of the Scientific Advisory Board of the Center for Applied Cryptographic Research at the University of Waterloo (Canada), a member of the Scientific Advisory Board of ONETS Corp (China), a member of the Board of Directors of Connecticut Technology Council and Massachusetts Institute of Technology Enterprise Forum of Connecticut. Dr. Pintsov is also a founding member of the Board of Directors of IP Factory (state funded organization dedicated to creation and nurture of technology businesses in CT) and a member of the Advisory Board of Axiom Venture Partners, and SecLingua Inc. (a health care information security company). He is a member of the Advisory Board of the School Of Engineering of University of Fairfield in Connecticut.

Dr. Pintsov served as a management and technical consultant to major international and national institutions such as the World Bank, the USPS, Royal Mail (UK), the Deutsche Post/DHL AG (Germany) and the State of Utah (USA) as well as leading US technology companies such as GTE and HNC Inc.

Dr. Pintsov has also been active in academia, where he was a Lecturer in Computer Science at the Hartford Graduate Center of the Rensselaer Polytechnic Institute and a Lecturer in Management Science and Statistics at the University of Hartford.

Mr. Pintsov holds a M.S. degree in Mathematics (Magna Cum Laude) from the University of St. Petersburg (Russia), Executive M.S. degree in Management Science from the Hartford Graduate Center of the Rensselaer Polytechnic Institute and Ph.D. degree in Applied Mathematics from the Institute of Telecommunication Engineering in St. Petersburg.

Contact Information:

Address: 10 Governors Row, West Hartford CT 06117 USA
E-mail: leonpintsov@comcast.net
Telephone: 860 233 3393
Mobile: 203 550 0264