



## Radostin A. Pachamanov, Ph.D.

Director

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## Background

Radostin A. Pachamanov, Ph.D. is a director at Elysium Digital, specializing in intellectual property litigation, including patent, trade secret, and copyright cases. He has consulted on a diverse set of matters, involving a large variety of software and hardware technologies. His work has encompassed infringement analysis, invalidity charting, claim construction, prior art searching, software code analysis in languages like Assembly, Java, C, and C++, and reverse engineering.

Radostin has more than a decade of industry experience and broad technical expertise with a focus on telecommunications engineering, including topics such as mobile networks (LTE, UMTS, GSM, CDMA, WiFi, and WiMAX), fixed broadband networks, telecommunication protocols, OSS/BSS, TV platforms and standards, and technical surveillance equipment such as sensors, radars, and thermal imaging cameras.

He received a B.Sc., Eng., with honors in telecommunications networks and a Ph.D. in telecommunications engineering from Technical University of Sofia (Bulgaria).

Prior to joining Elysium Digital, he worked for Ericsson as a solution architect in its Billing Fulfillment Assurance, TV & Media Management, and System Integration business segments. At Ericsson, he also served as an account manager for major telecom carriers, responsible for offerings covering the complete portfolio of Ericsson products and solutions.

## Professional Experience

- Elysium Digital, LLC, a subsidiary of Aon Corporation, Director, 2020 – Present
- Elysium Digital, LLC, a subsidiary of Aon Corporation, Manager, 2019 – 2020
- Stroz Friedberg, LLC, an Aon company, Manager, 2017 – 2019
- Stroz Friedberg, LLC, an Aon company, Senior Consultant, 2015 – 2017
- Elysium Digital, LLC, Computer Scientist, 2013 – 2015
- Ericsson, Account Manager, 2011 – 2013
- Ericsson, Solution Architect, TV & Media Management, 2010 – 2011
- Ericsson, Solution Architect, Business Segment Multimedia – Billing, Fulfillment, Assurance, 2008 – 2010

## Education

- Ph.D., Telecommunications Engineering, Technical University of Sofia (Bulgaria), 2008
- B.Sc., Eng., Telecommunications Networks with honors, Technical University of Sofia (Bulgaria), 2002

## Certifications

- IEEE Wireless Communications Professional, 2017

## Publications

- "Traffic Efficiency Enhancement of Cellular Structures in Mobile Networks." Radostin Pachamanov, Ph.D. Dissertation, Technical University of Sofia, 2008.
- "Resource Planning for Voice over Wireless Both-Way Transmission Media." R. Pachamanov, B. Tsankov, and D. Pachamanova. *Radioengineering Journal* 17 no. 1 (2008): 78-81.
- "Optimal Resource Allocation in WiMAX." R. Pachamanov, D. Pachamanova, and B. Tsankov. *Electrotechnica & Electronica* 43 no. 1-2 (2008): 41-47.
- "Modified Brady Voice Traffic Model for WLAN and WMAN." R. Pachamanov, B. Tsankov, and D. Pachamanova. *Electronics Letters* 43 no. 23 (2007): 1295-1297. doi:10.1049/el:20072425
- "A Model for WiMAX Simulation." Radostin Pachamanov. In *Proc. National Conference with International Participation Telecom*, October 2007.
- Co-authored "An Optimization-Based Connection Admission Control Method for IEEE 802.16 Wireless Networks." In *Proc. IEEE Africon*, September 2007.
- Co-authored "Throughput and Fairness in IEEE 802.16 Broadband Wireless Networks." In *Proc. International Scientific Conference on Information, Communication and Energy Systems and Technologies (ICEST)*, June 2007.
- Co-authored "Analytical Performance Evaluation of WiMAX." In *Proc. National Conference with International Participation Telecom*, October 2007.
- Co-authored "Priority Traffic Management in IP Networks." In *Proc. National Conference with International Participation Telecom*, October 2004.
- Co-authored "Umbrella-Cell in Cellular Networks: Traffic Efficiency Analysis." In *Proc. National Conference with International Participation Telecom*, October 2003.

## Testimony

- [1] *Ericsson, Inc. et al. v. Koninklijke KPN N.V.*  
United States Patent and Trademark Office, Patent Trial and Appeal Board, Case No. IPR2023-00582  
Submitted expert declaration on behalf of Koninklijke KPN N.V. (represented by Cabello Hall Zinda) in a patent matter involving telecommunications technology, 2023.

- [2] *Ericsson, Inc. et al. v. Koninklijke KPN N.V.*  
United States Patent and Trademark Office, Patent Trial and Appeal Board, Case No. IPR2023-00524  
Submitted expert declaration on behalf of Koninklijke KPN N.V. (represented by Cabello Hall Zinda) in a patent matter involving telecommunications technology, 2023.
- [3] *Ericsson, Inc. et al. v. Koninklijke KPN N.V.*  
United States Patent and Trademark Office, Patent Trial and Appeal Board, Case No. IPR2022-00068  
Was deposed and submitted expert declaration on behalf of Koninklijke KPN N.V. (represented by Hamilton Brook Smith & Reynolds) in a patent matter involving telecommunications technology, 2023.
- [4] *Ericsson, Inc. et al. v. Koninklijke KPN N.V.*  
United States Patent and Trademark Office, Patent Trial and Appeal Board, Case No. IPR2022-00069  
Was deposed and submitted expert declaration on behalf of Koninklijke KPN N.V. (represented by Hamilton Brook Smith & Reynolds) in a patent matter involving telecommunications technology, 2022.
- [5] *Ericsson, Inc. et al. v. Koninklijke KPN N.V.*  
United States Patent and Trademark Office, Patent Trial and Appeal Board, Case No. IPR2022-00079  
Was deposed and submitted expert declaration on behalf of Koninklijke KPN N.V. (represented by Hamilton Brook Smith & Reynolds) in a patent matter involving telecommunications technology, 2022.
- [6] *Sierra Wireless, Inc. et al. v. Koninklijke KPN N.V.*  
United States Patent and Trademark Office, Patent Trial and Appeal Board, Case No. IPR2018-00320  
Was deposed and submitted expert declaration on behalf of Koninklijke KPN N.V. (represented by Hamilton Brook Smith & Reynolds) in a patent matter involving telecommunications technology, 2018.