

Radostin Pachamanov Ph.D.

Director

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Quandary Peak Research

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I am an expert in intellectual property litigation, specializing in patent, trade secret, and copyright matters. I have extensive consulting experience across diverse software and hardware technologies, including infringement and invalidity analyses, reverse engineering, hands-on testing of complex systems, and detailed source code analysis. I have authored numerous expert declarations in IPR proceedings and provided deposition testimony in multiple telecommunications-related cases.

My technical expertise is rooted in a strong telecommunications engineering background, covering mobile networks (5G, LTE, UMTS, GSM, CDMA, WiFi, WiMAX), fixed broadband networks, telecom protocols, OSS/BSS, TV platforms and standards, and technical surveillance systems.

Prior to consulting, I worked at Ericsson as a solution architect and account manager, leading major carrier projects from design to implementation.

Technical and Professional Expertise

- Deep academic knowledge and hands-on experience in telecommunications and information technology.
- Deep understanding of the broader telecommunications ecosystems, including knowledge about Operations Support Systems (OSS) and Billing Support Systems (BSS), as well as CRM and ERP applications.
- Proven ability to apply practical approaches to complex challenges and deliver successful outcomes.
- Strong leadership, team management, and cross-functional collaboration.
- Expertise and hands-on experience in intellectual property asset management and IP protection principles.
- Proficiency in source code analysis, including experience with Assembly, C/C++, Java, Python, SQL, Matlab, etc.

Education

Ph.D. in Telecommunications Engineering

Technical University of Sofia, Bulgaria | 2003–2008

Thesis: *Traffic Efficiency in Cellular Mobile Networks*

B.Sc., Eng. in Telecommunications Networks

Technical University of Sofia, Bulgaria | 1998–2002

Languages

- Fluent in English and Bulgarian
- Proficient in Russian

Employment

Quandary Peak Research

Director | Boston, MA | Sept 2025–Present

- Conduct expert analyses in intellectual property litigation, including source code review, reverse engineering, and technical evaluations across telecommunications, software, and hardware technologies.

Elysium Digital, LLC

Director, Aon Intellectual Property Solutions | Boston, MA | Oct 2013–Jul 2025

- Provided in-depth technical analysis and consulting in patent litigation and IT technology-related intellectual property matters.
- Provided clients with strategic insights from Telecommunications and IT industries.
- Analyzed a large variety of patents for clients in the IT and Telecommunications domains in regard to infringement, validity and argument construction.
- Advised clients on IP strategy to leverage their existing assets, identify potential threats, and take advantage of new opportunities.
- Testified in patent litigation disputes.

Ericsson

Account Manager | Sofia, Bulgaria | Apr 2011–July 2013

- Project stakeholder in various system integration and network development projects and sales opportunities. Financial and cash flow management. Close interactions with Project Management Office and Logistics Department.
- Account management for telecom operators with millions in annual sales. Exceeded sales targets for 2012. Performed marketing campaigns, pricing analysis, and sales offers preparation.
- Researched industry trends and mapped industry information to develop business strategies for clients in the Telecommunications, Transport & Media and Public Administration sectors.
- Actively collaborated with customer teams in resolving contract negotiations.

Ericsson

Solutions Architect | Sofia, Bulgaria | Jan 2008–Mar 2011

- Technical project lead for strategic multimillion System Integration projects: Vivacom Satellite TV, Bulgarian National Border Security and Surveillance System.
- Developed solution design and cost optimization models for solutions in the OSS/BSS, TV & Media Management, and System Integration areas.
- Performed customer requirements analysis and solution assessments.
- Collaborated with internal corporate and external client team project stakeholders in complex organizations.
- Coordinated large teams of system integrators, solution architects and external subcontractors in complex system integration projects.

Technical University Of Sofia

Teaching Assistant | Sofia, Bulgaria | Mar 2003–Dec 2007

- Taught university courses: “Teletraffic Engineering” and “Telecommunications Networks”.
- Developed academic seminars.
- Provided guidance and support to students in thesis research.

Litigation Consulting

- **CCC Information Services Inc. v. Tractable Inc.** | 2019–2024
Jurisdiction: U.S. District Court of Northern Illinois
Case Number: 1:18-cv-07246
Counsel: Latham Watkins
Nature of Suit: Trade Secret
Technology: AI and auto insurance claims technology
- **Oracle America, Inc. v. Hewlett Packard Enterprise Company** | 2017–2022
Jurisdiction: U.S. District Court, Northern District of California
Case Number: 4:16-cv-01393
Counsel: Latham Watkins
Nature of Suit: Trade Secret
- **Dolby Laboratories, Inc. v. Intertrust Technologies Corporation** | 2020–2021
Jurisdiction: U.S. District Court, Northern District of California
Case Number: 3:19-cv-03371
Counsel: Quinn Emanuel Urquhart & Sullivan, LLP
Nature of Suit: Patent
Technology: DRM and secure content distribution
- **Dali Wireless, Inc. v. John Mezzalingua Associates, LLC** | 2021
Jurisdiction: U.S. District Court, District of Delaware
Case Number: 1:19-cv-02367
Counsel: Folio Law Group
Nature of Suit: Patent
Technology: Wireless/mobile telecommunications technology
- **Vaporstream, Inc. v. Snap Inc. d/b/a Snapchat, Inc.** | 2015–2020
Jurisdiction: U.S. District Court, Central District of California
Case Number: 2:17-cv-00220
Counsel: Susman Godfrey LLP
Nature of Suit: Patent
Technology: Ephemeral communications
- **Entrust Datacard Corporation v. Atlantic Zeiser GmbH et al.** | 2019
Jurisdiction: U.S. District Court, Middle District of Florida
Case Number: 3:17-cv-00110
Counsel: Briggs & Morgan, PA
Nature of Suit: Patent
Technology: Smart card technology and hardware controlling software
- **Oracle USA, Inc. et al. v. Rimini Street, Inc. et al.** | 2014–2019
Jurisdiction: U.S. District Court, District of Nevada
Case Number: 2:10-cv-00106
Counsel: Boies Schiller Flexner LLP
Nature of Suit: Copyright
Technology: Enterprise software support services and practices

- **Maxell, Ltd. v. ASUSTeK Computer Inc. et al.** | 2019
 Jurisdiction: U.S. District Court, Northern District of California
 Case Number: 3:18-cv-01788
 Counsel: Mayer Brown
 Nature of Suit: Patent
 Technology: Digital camera technology and automatic gain control in cell phones
- **The People of the State of New York by Eric T. Schneiderman v. Charter Communications, Inc. et al.** | 2018
 Jurisdiction: Supreme Court of the State of New York, County of New York
 Case Number: 450318/2017
 Counsel: Latham & Watkins LLP
 Nature of Suit: Regulatory
 Technology: Internet infrastructure and network capacity testing
- **Rimini Street, Inc. v. Oracle International Corporation** | 2015–2018
 Jurisdiction: U.S. District Court, District of Nevada
 Case Number: 2:14-cv-01699
 Counsel: Morgan Lewis & Bockius LLP
 Nature of Suit: Copyright
 Technology: Enterprise software support services and practices
- **Hitachi Maxell, Ltd. v. ZTE Corporation et al.** | 2017–2018
 Jurisdiction: U.S. District Court, Eastern District of Texas
 Case Number: 5:16-cv-00179
 Counsel: Mayer Brown
 Nature of Suit: Patent
 Technology: Mobile technology
- **Hitachi Maxell, Ltd. v. Huawei Technologies Co., Ltd. et al.** | 2017–2018
 Jurisdiction: U.S. District Court, Eastern District of Texas
 Case Number: 5:16-cv-00178
 Counsel: Mayer Brown
 Nature of Suit: Patent
 Technology: Mobile technology
- **Rovi Guides Inc. et al. v. Comcast Corporation et al.** | 2016–2017
 Jurisdiction: U.S. District Court, Eastern District of Texas
 Case Number: 2:16-cv-00321, 2:16-cv-00322
 Counsel: McKool Smith
 Nature of Suit: Patent
 Technology: Digital video recorder technology
- **Motorola Solutions, Inc. v. Hytera Communications Corporation Ltd.** | 2017
 United States District Court for the Northern District of Illinois, Eastern Division
 Case Number: 1:17-cv-01973
 Counsel: Kirkland & Ellis LLP
 Nature of Suit: Trade Secret
 Technology: Two-way radio transmissions

- **Uniloc USA, Inc. et al v. Avaya Inc.** | 2017
 Jurisdiction: U.S. District Court, Eastern District of Texas
 Case Number: 6:15-cv-01168
 Counsel: Prince Lobel Tye LLP
 Nature of Suit: Patent
 Technology: Conference calling technology
- **Telesocial Inc. v. Orange S.A., et al.** | 2016
 Jurisdiction: U.S. District Court, Northern District of California
 Case Number: 3:14-cv-03985
 Counsel: Quinn Emanuel Urquhart & Sullivan, LLP
 Nature of Suit: Trade Secret
 Technology: Social calling app
- **TCL Communication Technology Holdings, Ltd v. Telefonaktienbolaget LM Ericsson et al.** | 2016
 Jurisdiction: U.S. District Court, Central District of California
 Case Number: 8:14-cv-00341
 Counsel: McKool Smith
 Nature of Suit: Patent
 Technology: Telecommunications technology
- **Ericsson Inc. et al. v. TCL Communication Technology Holdings Limited et al.** | 2016
 Jurisdiction: U.S. District Court, Eastern District of Texas
 Case Number: 2:15-cv-00011
 Counsel: McKool Smith
 Nature of Suit: Patent
 Technology: Telecommunications technology
- **Ericsson Inc. et al. v. TCL Communication Technology Holdings Limited et al.** | 2015
 Jurisdiction: U.S. District Court, Central District of California
 Case Number: 2:15-cv-02370
 Counsel: McKool Smith
 Nature of Suit: Patent
 Technology: Telecommunications technology
- **In the Matter of Certain Wireless Standard Compliant Electronic Devices, Including Communication Devices and Tablet Computers** | 2015
 Jurisdiction: U.S. International Trade Commission
 Investigation Number: ITC-337-TA-953
 Counsel: McKool Smith
 Nature of Suit: Patent
- **In the Matter of Certain Electronic Devices, Including Wireless Communication Devices, Computers, Tablet Computers, Digital Media Players, and Cameras** | 2015
 Jurisdiction: U.S. International Trade Commission
 Investigation Number: ITC-337-TA-952
 Counsel: McKool Smith
 Nature of Suit: Patent

- **Ericsson Inc. et al. v. Apple Inc.** | 2015
Jurisdiction: U.S. District Court, Eastern District of Texas
Case Number: 2:15-cv-00287, 2:15-cv-00293
Counsel: McKool Smith
Nature of Suit: Patent
Technology: Data transmission and generation of keys in encrypted or decrypted LTE data
- **Bridgestone Americas Tire Operations, LLC v. Schrader-Bridgeport International, Inc** | 2014–2015
Jurisdiction: U.S. District Court, District of Delaware
Case Number: 1:13-cv-00763
Counsel: Wilmer Hale
Nature of Suit: Patent
Technology: Automotive embedded systems technology
- **St. Jude Medical Cardiology Division Inc. v. Volcano Corporation** | 2014
Jurisdiction: U.S. District Court, District of Delaware
Case Number: 1:12-cv-00441
Counsel: Fish & Richardson
Nature of Suit: Patent
Technology: Medical technology
- **Smartflash LLC et al. v. Samsung Electronics Co. Ltd. et al.** | 2014
Jurisdiction: U.S. District Court, Eastern District of Virginia
Case Number: 6:13-cv-00448
Counsel: Quinn Emanuel
Nature of Suit: Patent
Technology: DRM technology and in-app payment transactions

Testimony Experience

- **Ericsson, Inc. et al. v. Koninklijke KPN N.V.** | 2023
Jurisdiction: United States Patent and Trademark Office, Patent Trial and Appeal Board
Case Number: 2023-00582
Counsel: Cabello Hall Zinda
Nature of Suit: Patent
Technology: Telecommunications
Role: Submitted expert declaration on behalf of Koninklijke KPN N.V.
- **Ericsson, Inc. et al. v. Koninklijke KPN N.V.** | 2023
Jurisdiction: United States Patent and Trademark Office, Patent Trial and Appeal Board
Case Number: 2023-00524
Counsel: Cabello Hall Zinda
Nature of Suit: Patent
Technology: Telecommunications
Role: Submitted expert declaration on behalf of Koninklijke KPN N.V.

- **Ericsson, Inc. et al. v. Koninklijke KPN N.V.** | 2023

Jurisdiction: United States Patent and Trademark Office, Patent Trial and Appeal Board
Case Number: 2022-00068
Counsel: Hamilton Brook Smith & Reynolds
Nature of Suit: Patent
Technology: Telecommunications
Role: Deposed and submitted expert declaration on behalf of Koninklijke KPN N.V.

- **Ericsson, Inc. et al. v. Koninklijke KPN N.V.** | 2022

Jurisdiction: United States Patent and Trademark Office, Patent Trial and Appeal Board
Case Number: 2022-00069
Counsel: Hamilton Brook Smith & Reynolds
Nature of Suit: Patent
Technology: Telecommunications
Role: Deposed and submitted expert declaration on behalf of Koninklijke KPN N.V.

- **Ericsson, Inc. et al. v. Koninklijke KPN N.V.** | 2022

Jurisdiction: United States Patent and Trademark Office, Patent Trial and Appeal Board
Case Number: 2022-00079
Counsel: Hamilton Brook Smith & Reynolds
Nature of Suit: Patent
Technology: Telecommunications
Role: Deposed and submitted expert declaration on behalf of Koninklijke KPN N.V.

- **Sierra Wireless, Inc. et al. v. Koninklijke KPN N.V.** | 2018

Jurisdiction: United States Patent and Trademark Office, Patent Trial and Appeal Board
Case Number: 2018-00320
Counsel: Hamilton Brook Smith & Reynolds
Nature of Suit: Patent
Technology: Telecommunications
Role: Deposed and submitted expert declaration on behalf of Koninklijke KPN N.V.

Publications

- ***Traffic efficiency enhancement of cellular structures in mobile networks.***

Pachamanov, R.A. (2008). Ph.D. dissertation, Technical University of Sofia.

- ***Resource planning for voice over wireless both-way transmission media.***

Pachamanov, R.A., Tsankov, B., & Pachamano, D. (2008). Radioengineering Journal, 17(1), 78–81.

- ***Optimal resource allocation in WiMAX.***

Pachamanov, R.A., Pachamano, D., & Tsankov, B. (2008). Electrotechnica & Electronica, 43(1–2), 41–47.

- ***Modified Brady voice traffic model for WLAN and WMAN.***

Pachamanov, R.A., Tsankov, B., & Pachamano, D. (2007). Electronics Letters, 43(23), 1295–1297.
<https://doi.org/10.1049/el:20072425>

- ***A model for WiMAX simulation.***

Pachamanov, R.A. (2007, October). In Proceedings of the National Conference with International Participation Telecom.

- ***An optimization-based connection admission control method for IEEE 802.16 wireless networks.***
Pachamanov, R.A., & co-authors (2007, September). In Proceedings of IEEE Africon.
- ***Throughput and fairness in IEEE 802.16 broadband wireless networks.***
Pachamanov, R.A., & co-authors (2007, June). In Proceedings of the International Scientific Conference on Information, Communication and Energy Systems and Technologies (ICEST).
- ***Analytical performance evaluation of WiMAX.***
Pachamanov, R.A., & co-authors (2007, October). In Proceedings of the National Conference with International Participation Telecom.
- ***Priority traffic management in IP networks.***
Pachamanov, R.A., & co-authors (2004, October). In Proceedings of the National Conference with International Participation Telecom.
- ***Umbrella-cell in cellular networks: Traffic efficiency analysis.***
Pachamanov, R.A., & co-authors (2003, October). In Proceedings of the National Conference with International Participation Telecom.

Certifications

- **Google Cybersecurity Professional Certificate** | 2024
- **Harvard Law School – Mediation and Conflict Management** | 2018
- **Harvard Law School – Negotiation and Dispute Resolution** | 2018
- **IEEE – Wireless Communications Professional** | 2017