

CV: Peyman Teymoori

PERSONAL INFORMATION

Family name, First name: **Teymoori, Peyman**
Date of birth: 1979
Gender: Male
Nationality: Iranian, Norwegian permanent resident
Researcher Unique Identifier: <https://orcid.org/0000-0002-9507-4373>
URL for personal websites: <https://www.usn.no/english/about/contact-us/employees/peyman-teymoori>
<https://www.linkedin.com/in/peyman-teymoori-16a68424/>
https://www.researchgate.net/profile/Peyman_Teymoori
<https://scholar.google.com/citations?user=55iOlb8AAAAJ&hl=en>

EDUCATION

2013 PhD in: *Computer Engineering (Science)*
 PhD Subject Area: *Wireless Communication Networks*
 Dissertation title: *Scalability in Wireless Ad Hoc Networks*
 Grade: *Excellent (the highest grade)*
 Supervisor: *Prof. Nasser Yazdani*
 University: *School of Electrical and Computer Engineering, University of Tehran, Iran*

2004 Master in: *Computer Engineering (Science)*
 Subject Area: *Distributed/Autonomous/Intelligent Systems*
 Thesis title: *Distributed Network Management in Active Networks using CORBA*
 Grade: *18.5 (in a 20 grade scale)*
 Supervisor: *Prof. Hossein Pedram*
 University: *Amirkabir University of Technology, Iran*

2001 Bachelor in: *Computer Engineering (Science)*
 Subject Area: *Computer Networks, Distributed Systems*
 Thesis title: *Network Management using Java Management Extension*
 Grade: *20 (in a 20 grade scale)*
 Supervisor: *Prof. Mohsen Kahani*
 University: *Ferdowsi University of Mashhad, Iran*

LANGUAGES

Persian (Native), English (Fluent), Norwegian (Upper intermediate – B2)

RESEARCH INTERESTS (and some RELATED PUBLICATIONS)

Communication Networks: <i>Modelling, Optimization, Quality of Service</i>	[j16 – j9, j7 – j1, c28, c26, c25, c23, c19, c18, c17, c15, c13]
Recursive InterNetwork Architecture (RINA): <i>for Distributed Computing, IoT, cyber-physical (smart) systems</i>	[e2, j11, c25, c24, c21, c17, c16, r11]
Artificial Intelligence: <i>Machine Learning, RoboCup Rescue</i>	[j10, j8, b1, c6, c5, c3, r11, r10]
Software Engineering: <i>Software Processes, Agile Processes, UML</i>	[b2, j8, c7, c3, r1]
Cybersecurity: <i>Security of wired/wireless networks and IoT</i>	[j10, c21, c19, c7, r11]

TAKEN COURSES DURING STUDIES

MSc:

Machine Learning, Advanced Artificial Intelligence, Distributed Artificial Intelligence, Distributed Systems, Parallel Systems, Advanced Computer Networks, Advanced Software Engineering.

PhD:

Performance Modelling of Computer Network and Systems, Intelligent Transport Systems, Wireless Ad hoc and Sensor Networks, Real-Time and Embedded Systems, Stochastic Process, Network Optimization, Game Theory, Advanced Operating Systems.

SOFTWARE DEVELOPMENT CONTRIBUTIONS (only public code listed)

- The RINASim simulator of the simulation platform OMNeT++
 - Link: <https://rinasim.omnetpp.org/>
 - Description: RINASim is a stand-alone framework for OMNeT++ discrete event simulator environment that offers a reliable and the most up-to-date tool for simulating RINA-based computer networks.

CERTIFICATES

- IBM Data Science Professional ([certificate](#)) – 2021
 - What is Data Science ([certificate](#))
 - Tools for Data Science ([certificate](#))
 - Data Science Methodology ([certificate](#))
 - Python for Data Science, AI & Development ([certificate](#))
 - Python Project for Data Science ([certificate](#))
 - Databases and SQL for Data Science with Python ([certificate](#))
 - Data Analysis with Python ([certificate](#))
 - Data Visualization with Python ([certificate](#))
 - Machine Learning with Python ([certificate](#))
 - Applied Data Science Capstone ([certificate](#))

- **Advanced Data Science with IBM Specialization** (*certificate in progress*)
 - Fundamentals of Scalable Data Science
 - Advanced Machine Learning and Signal Processing
 - Applied AI with Deep Learning
 - Advanced Data Science Capstone
- **Cisco Instructor training program** ([certificate](#))
 - Cybersecurity Operations (CyberOps) – 2022
 - eligible to officially teach Cisco CyberOps Associate¹

TECHNICAL SKILLS

AI & ML:

Machine learning models in Mathematica, MATLAB, and Python.

Data Science:

Statistics, Databases (SQL), Plotting and Visualization, Optimization, Big Data

Cyber-physical systems:

IoT devices, Raspberry pi, Jetson Nano, Arduino

Development and simulation:

C/C++, Java, Python, NS-2, OMNeT++, SQL, DevOps, GitLab CI/CD.

Software processes:

Agile methodologies, Rational Unified Process (RUP), Extreme Programming (XP).

CURRENT POSITIONS

2023 –	Title:	Associate Professor
	Type:	Full-Time
	Place:	University of South-Eastern Norway, Drammen
	Tasks:	Program Coordinator of Industry Bachelor in IT and Information Systems (IT), Teaching, Research
2022 –	Title:	Subject Matter Expert
	Type:	Part-time
	Place:	Noroff ²
	Tasks:	Course content development, lecturing, supervision

PREVIOUS POSITIONS

2022 – 2023	Title:	Visiting Scholar
	Place:	University of Oslo
	Tasks:	Research, Student co-supervision

¹ <https://www.cisco.com/c/en/us/training-events/training-certifications/certifications/associate/cyberops-associate.html>

² <https://www.noroff.no/en/>

2022 – 2023	Title:	Lecturer
	Type:	Part-time
	Place:	Kristiania University college
	Tasks:	Teaching
2016 – 2022	Role:	[RP1] Researcher (technical co-lead, researcher, co-supervisor)
	Project:	OCARINA ³ (Toppforsk project)
	Place:	Department of Informatics, University of Oslo, Norway
	Funded by:	Research Council of Norway
2015 – 2016		[RP2]
	Role:	Postdoc (work package co-leader, researcher)
	Project:	PRSTINE ⁴
	Place:	Department of Informatics, University of Oslo, Norway
	Funded by:	European Commission under the FP7 program
2013 – 2014		[RP3]
	Role:	Researcher (technical lead, team building, researcher)
	Project:	1.2 Tbps Router ⁵ (Design & implementation of a high-capacity IP network router)
	Place:	School of Electrical and Computer Engineering, University of Tehran, Iran
2011 – 2013		[RP4]
	Role:	Visiting Researcher
	Project:	World-Class University (WCU) ⁶
	Place:	Gwangju Institute of Science and Technology, Gwangju, South Korea
	Funded by:	Korean Ministry of Education, Science, and Technology (MEST)
2007 – 2009		INDUSTRIAL EXPERIENCE,
	Role:	Chief Executive Officer (CEO), board member
	Project:	Several industrial software engineering projects on banking systems and e-commerce solutions
	Place:	Taban Tech company, Tehran, Iran (I ran my own company before joining a PhD program)
2004 – 2007		INDUSTRIAL EXPERIENCE,
	Role:	Project manager/coordinator, developer, team building
	Project:	Several national/international industrial software engineering projects on banking systems, e-commerce solutions

³ <https://www.mn.uio.no/ifi/english/research/projects/ocarina/index.html>

⁴ <http://ict-pristine.eu/>

⁵ <http://routerlab.ut.ac.ir/projectslist>

⁶ <https://wcu.gist.ac.kr/eng/pages/view/16>

	Place:	Khorasan Data Processing company, Tehran, Iran (the company is now active in the US) ⁷
	Technologies:	Web development (ASP JSP, JSF, .NET, HTML, Javascript, Python), databases (MS SQL Server, Oracle, PostgreSQL), C/C++, JavaCard, Smart Cards, Point of Sale (POS) systems
<i>2002 – 2004</i>		[RP5]
	Role:	Chief developer, researcher
	Project:	ITMN (Iran Telecommunication Management Network)
	Place:	Iran Telecommunication Research Center (ITRC) ⁸ , Tehran, Iran
<i>2003 – 2004</i>		[RP6]
	Role:	Researcher
	Project:	Design and implementation of a distributed network management platform
	Place:	Iran Telecommunication Research Center (ITRC) ⁹ , Tehran, Iran
<i>1999 – 2000</i>		[RP7]
	Role:	Developer, researcher
	Project:	Design and prototype implementation of a real-time operating system
	Place:	Ferdowsi University of Mashhad, Mashhad, Iran
<i>1998 – 1999</i>		[RP8]
	Role:	Chief developer, researcher
	Project:	Design and implementation of an e-learning platform
	Place:	Ferdowsi University of Mashhad, Mashhad, Iran

FELLOWSHIPS, AWARDS, AND GRANTS

<i>2011</i>	Scholarship, Ministry of Science, Research and Technology, Iran
<i>2011</i>	Scholarship, Ministry of Information and Communication Technology, Iran
<i>2010</i>	A two-year grant to support PhD activities from Iran National Science Foundation
<i>1999</i>	Ranked 1 st in the national programming contest held at Amirkabir University of Technology, Iran. The contest was similar to ACM ICPC.
<i>1999 – 2001</i>	Ranked 11 th , 15 th , and 21 st (among around 90 teams) in the regional (West Asia) ACM ICPC (International Collegiate Programming Contest)
<i>1999</i>	The best students award of Ferdowsi University of Mashhad, Iran
<i>1997</i>	Ranked 3 rd in the local province in the national University entrance exam

⁷ <https://www.second-pos.com/>

⁸ <https://www.ict.gov.ir/en/introduction/affiliated/itrc>

MOBILITY

2011 – 2013 Gwangju Institute of Science and Technology, Gwangju, South Korea,
Project: World-Class University (WCU)¹⁰. It was in an interdisciplinary project
in the department of Nanobio Materials and Electronics that comprised
Information and Communications, Materials Science and Engineering,
Mechatronics, Environmental Science and Engineering, and Life Science.
Grant received from the ministry of science, research and technology, Iran

SUPERVISION OF GRADUATE STUDENTS AND RESEARCH FELLOWS

My supervision experience includes different types of supervision, depending on the program type the students were following or the project they were involved in. In the following, I elaborate these types.

1) Research-Based Supervision (In total: 10 students including 2 PhDs, 5 Master's students, and 3 bachelor students)

2022 – Supervising a master student:
Martin Mihle Nygaard (*Designing a multihop congestion control, will be finished by May 2024*).
Department of Informatics, University of Oslo, Norway

2019 – 2022 Supervising a master student:
Lars Ovar Sveen (*Designing a secure smart home framework using RINA*).
Department of Informatics, University of Oslo, Norway

2016 – 2022 Co-supervising 1 PhD Student (in the OCARINA project)
Students:
[Kristjon Ciko](#) (*devising a proxy to deploy RINA/IoT*)
Successfully defended in 2022. Now, he is a postdoc at the University of Oslo.
Department of Informatics, University of Oslo, Norway

2013 – 2015 Informal co-supervision of a PhD Student (successfully defended in 2016)
Student:
[Muhammamin Araghizadeh](#) (*using UAVs in wireless sensor networks*)
School of Electrical and Computer Engineering, University of Tehran, Iran

2008 – 2010 Co-supervision of two master students:
[Mohammadreza Effatparvar](#) (*"routing in wireless ad hoc networks",*
successfully defended in 2010)
School of Electrical and Computer Engineering, University of Tehran, Iran

[Seyyed Alireza Hoseini](#) (*"High-Throughput Low Power CCNP Architecture for*
High-Speed Wireless Networks", successfully defended in 2010)
School of Electrical and Computer Engineering, University of Tehran, Iran

¹⁰ <https://wcu.gist.ac.kr/eng/pages/view/16>

2013 – 2014 Co-supervision of two bachelor student:
 Mohammadreza Tajzad and Ashkan Moharrami (“Designing a dual-channel wireless ad hoc protocol in NS-2”, successfully graduated in 2014)

2010 – 2011 Co-supervision of a bachelor student:
[Ali Sehati](#) (“Design of a Packet Aggregation Scheme for Wireless Networks in ns-2”, successfully graduated in 2011)

2) Project-Based Student Supervision (In total: 17 students including 4 PhDs, 11 Master’s, and 2 bachelor students)

Project: *Design & implementation of a high-capacity IP network router*

Duration: 24 months, from 2013 – 2014.

Place: Router Lab, School of Electrical and Computer Engineering, University of Tehran, Iran

The team members were bachelor/master/PhD students, all working in this project as part of their research/thesis/part-time work. I was not their official supervisor (they already had supervisors), but as I was a team leader and technical lead, a significant part of their research/thesis supervision was performed by me under this project.

#	Name	Level	Contact
1	Mahdi Vajdi	Master	mahdi_vajdi@ut.ac.ir
2	Masoud Safarvand	Bachelor	masoud_safarvand@yahoo.com
3	Mohsen Mirzania	Master	mo.mirzania@gmail.com
4	Fatemeh Taheri	Master	htaheri.f@gmail.com
5	Iliar Rabet	Master	iliar.rabet@gmail.com
6	Mohammad Hossein Raeiszade	Bachelor	mhraeiszade@gmail.com
7	Saeed Soltabali	PhD	Soltanali@ut.ac.ir
8	Mohammadhasan Zarei	Master	mhzarei@ut.ac.ir
9	Fatemeh Sarhaddi	PhD	sarhaddif@yahoo.com
10	Noushin Behboodi	Master	noushin.behboodi@gmail.com
11	Milad Azizpour	Master	miladazizpour@gmail.com
12	Reza Avazeh	PhD	r.avazeh@ut.ac.ir
13	Narmin Pashapour	Master	narmin.pashapour@gmail.com
14	Amin Latifi	Master	a.latifi.al@gmail.com
15	Davoud Afshari	Master	d_afshari@live.com
16	Besat Jafarian	PhD	bst.jafarian@gmail.com
17	Reza Shekarchian	Master	rz.shekarchian@gmail.com

Research Topics:

- Packet processing module implementation plan
- Switch fabric: FPGA, ASIC
- SNMP implementation plan
- Packet filtering methods
- Route Map mechanisms
- Router security analysis
- Routing protocols: RIP, OSPF, BGP, ISIS
- Router test plan

- Command Line Interface design and implementation
- IPv6 implementation/integration
- MPLS implementation/integration
- NAT implementation/integration
- Network Time Protocol implementation/integration
- VLAN implementation/integration
- Packet classification methods
- NetFlow implementation/integration
- PORT mirroring implementation/integration
- STP implementation/integration
- Tunneling protocols integration
- TACACS+ implementation/integration
- RADIUS implementation/integration

3) Program-Based Student Supervision (In total: 12 students)

Place: Noroff, Oslo, Norway

Date: From 2022 to 2023

Under the “Embedded Development” program I have run at Noroff, the students were supposed to work on an original AI-based project (to be eligible for an NVIDIA Jetson AI certificate) as their capstone case, which lasted for two full-time weeks. Most of the students already had a master’s degree, but they needed supervision to do their capstone project. This included finding an original idea, defining the problem, and developing a solution. In the end, they documented and presented their work.

4) Course-Based Student Supervision (In total: 150 bachelor students)

Places: 1) Mahestan Institute, 2) Kanoon Ghalamchi, Tehran, Iran

Date: From 2002 to 2010

This supervision type belongs to students in course-based programs (without thesis). This mostly included guidance on the student study plan to be better prepared for future markets. There were 50 + 100 students (at two different private institutes) who were following a course-based program, and they needed supervision according to their program plan. This supervision included advising textbooks, materials, study approaches, how to choose a proper field in the master studies, future market, and the needs matching with courses to be taken.

TEACHING ACTIVITIES (details in the teaching portfolio document)

2023 –	Role:	Main lecturer
	Topics:	1) Object-Oriented Programming with Java (beginner, advanced), 2) Digital Transformation, 3) Business Intelligence and Data Warehouses, 4) Artificial Intelligence, 5) Various short crash courses on Python, Git, Docker, OpenCV, and Gitlab CI/CD.
	Institute:	University of South-Eastern Norway

2022 –	Role:	Main lecturer
	Topics:	1) Front-End Development with HTML and JavaScript, 2) Embedded Development (of IoT devices/robots) with C++ and Python, 3) Full-stack development with Java and JavaScript.
	Institute:	Noroff
2020 – 2023	Role:	(Guest) lecturer
	Topics:	1) Cybersecurity Operations (Cyber Ops) 2) Computer Networks
	Institute:	Kristiania University College
2010 – 2014	Role:	(Main) Teacher
	Courses:	1) Computer Networks, 2) Fundamentals of Computer Programming, 3) Fundamentals of Information Systems and Electronic Commerce (master's level) 4) Lectures on “Wireless Networks and their Scalability Issues” at the master's/PhD level.
	Institute:	University of Tehran , Iran
2009 – 2011	Role:	Main teacher
	Courses:	1) Artificial Intelligence, 2) Simulation of Computer Networks, 3) Software Engineering.
	Institute:	University of Sistan and Baluchestan , Iran.
2004 – 2010	Role:	Main teacher, course development
	Courses:	1) Artificial Intelligence, 2) Software Engineering, 3) Database Systems.
	Institute:	Mahestan Institute , Iran.
2004 – 2005	Role:	Main teacher
	Courses:	1) Information storage and retrieval, 2) Machine & assembly programming.
	Institute:	Azad University of Karaj , Iran.
2002 – 2004	Role:	Manager of the computer engineering section
	Institute:	Kanoon Ghalamchi , Tehran, Iran
	Task:	Conducting national-wide contests on computer engineering course among thousands of students who were getting ready for the national MSc entrance exam. Number of contestants: more than 10000.
1998 – 2001	Role:	Teacher / Teaching assistant
	Courses:	1) Object-Oriented Programming,

- 2) Web Programming (ASP, JSP, Javascript, HTML),
- 3) Java,
- 4) Assembly Language,
- 5) Compilers,
- 6) Data Structures and Algorithms.

Institutes: [Ferdowsi University of Mashhad](#), [Sadiq University](#), [Khayyam University](#), [Islamic Azad University of Mashhad](#), Iran.

Number of students: around 900.

INSTITUTIONAL RESPONSIBILITIES

- 2023 –
 - Program Coordinator of Industry Bachelor in Information Technology (IT) and Information Systems (IS) at USN
 - Program Advisor (Coordinator) of Microsoft Learn for Educators (MSLE) at USN
 - Program Coordinator of Cisco Networking Academy (NetAcad) at USN
- 2022 – External sensor at Kristiania University College
- 2021 – Third semester PhD evaluation at University of Oslo
- 2020 – A defense committee member of three bachelor students at University of Stavanger
- 2016 – A defense committee member at the master's level for four master's students at University of Oslo

COMMISSIONS OF TRUST

Reviewer

- 2013 –
 - ACM's Transactions on Internet Technology (TOIT)
 - IEEE/ACM Transactions on Networking
 - IEEE Transactions on Wireless Communications
 - IEEE Transactions on Communications
 - IEEE Transactions on Signal Processing
 - IEEE Transactions on Network and Service Management
 - IEEE Journal on Selected Areas in Communications
 - IEEE Wireless Communications Letters
 - IEEE Networking Letters
 - Elsevier Computer Networks
 - Springer Wireless Networks
 - Measuring Mobile Broadband Networks in Europe (MONROE)

Editorial, Conferences TPC/Organizer/Chair

- 2022 **Publicity Chair** of 17th Wireless On-demand Network systems and Services Conference, 30 March - 1 April 2022, Oppdal, Norway.

- 2020 **Guest editor** of the feature topic “Transport Layer Innovations for Future Networks” in IEEE Communications Magazine.
- 2020 **Guest editor** of Special Issue "Post-IP Networks: Advances on RINA and other Alternative Network Architectures" in MDPI Computers journal.
- 2020 **TPC** of the workshop on the Future of Internet Transport - FIT 2020 in Paris
- 2020 Workshop (co-) **organizer and TPC chair** in the ICIN 2020 conference in Paris
- 2019 Workshop (co-) **organizer and TPC chair** in the ICIN 2019 conference in Paris
- 2019 **TPC** of International Conference on Computational Intelligence and Communication Networks (CICN 2019)
- 2019 **TPC** of the Ninth International Conference on Performance, Safety and Robustness in Complex Systems and Applications (PESARO 2019)
- 2018 **TPC** of International Conference on Communication Systems and Network Technologies (CSNT 2018)

Securing Fund

- Being submitted / under preparation proposals:**
- 2024 As the coordinator: an EU proposal on Green Networking.
- As the PI: a proposal on the theory of recursive networking, to Research Council of Norway.
- Funded proposals:**
- 2020 [SP1] Study quality fund (studiekvalitetsmidler 2020), by UiO
A fund of 133000 NOK per year to develop a new study program for master students. It is now running as a pilot program in the department of informatics with two master students, with the possibility of renewing in next years.
 Role: PI
- 2009 [FP1] Title: “A Scalable MAC Protocol for Wireless Ad hoc Networks”
 Source: [Iran National Science Foundation](#)
 Role: PI, researcher
- 1998 – 2018 Collaborations in several national and international proposal writings.
 Successful proposals: [RP1], [RP3], [RP6]-[RP8] (See the “Current and Previous Positions” section)
 In total:
- initiation of 9 proposals, collaboration in 6 proposal writing experiences (including the Research Council of Norway (RCN), EU, ERC).
 - **4 (5) successful proposals as the PI**: [RP8], [RP6], [FP1], [SP1], (+[RP1]) in 1998, 2003, 2009, 2020, (2016), respectively.

Miscellaneous

- 2021 – Member of the [Norwegian Artificial Intelligence Research Consortium \(NORA\)](#)
- 2018 – European Commission (EC) Expert
- 1999 – 2001 Member of the ACM ICPC team of Ferdowsi University of Mashhad (selection through an internal programming contest)
- 1999 – 2000 An elected member of the student scientific society, Ferdowsi University of Mashhad

MAJOR (Key) COLLABORATIONS

Name	Topic	Project	Institution	Country
Michael Welzl	Congestion Control	FP7 PRISTINE and OCARINA	UiO	Norway
Eduard Grasa	Recursive InterNetwork Architecture (RINA)	FP7 PRISTINE and OCARINA	i2CAT	Spain
John Day	Recursive InterNetwork Architecture (RINA)	FP7 PRISTINE and OCARINA	Boston University	USA
Hamid Asgari	RINA, Autonomous Networking	FP7 PRISTINE and proposals	Thales UK	UK
Diego Lopez	RINA, 5/6G	FP7 PRISTINE and proposals	Telefonica	Spain
Jordi Perello	RINA, routing	FP7 PRISTINE and proposals	UPC	Spain
Kiseon Kim	Communication Networks	WCU	GIST	South Korea
Khosrow Sohraby	Communication Networks, Data Science	WCU	UMKC, Bayer	USA

REFERENCES

- Stein Gjessing Former section leader at University of Oslo, Norway
steing@ifi.uio.no
+4792695558
- Michael Welzl Direct manager at University of Oslo, Norway
michawe@ifi.uio.no
+4747346201
- Khosrow Sohraby Former manager, University of Missouri-Kansas City, USA
khosrow.sohraby@bayer.com

PUBLICATIONS

Total: 80 (4 books/lecture notes, 2 editorials, 1 scientific review, 16 journals, 28 conferences, 12 technical reports, 17 scientific talks)

I have had a major role in many of my publications, as the first or second author

BOOKS / LECTURE NOTES / Teaching Materials

- [b4] **Peyman Teymoori.** *C++ Bootcamp: From Beginners to Advanced*, Noroff, Oslo, Norway, 2023. (Internal teaching material in the form of a book)
- [b3] **Peyman Teymoori.** *Database Systems*, Lectures on data modelling, data processing, SQL, and answers to hundreds of multiple-choice questions, Mahestan Institute, 2006.
- [b2] **Peyman Teymoori.** *Software Engineering*, 2nd Edition, Pouran Pajouhesh publications, ISBN: 978-964-184-472-3, 2013, Iran. (in Persian)
(**Contributions:** the author. A comprehensive 300-page book on main software engineering topics and a solution manual to all the previous questions in the national graduate entrance exam. The book can be (is) used as a textbook at (some) universities in Iran.)
- [b1] Toktam Ramezanifarkhani, **Peyman Teymoori**, MohammadHosein Mansouri. *Electrical Circuits, Artificial Intelligence, and Design of Algorithms: Preparing for the National Graduate Entrance Exam*. Azadeh publications, ISBN: 978-964-501-274-6, 2008, Iran. (in Persian)
(**Contributions:** the author of the artificial intelligence section. A comprehensive 418-page book on the aforementioned topics and a solution manual to all the previous questions in the national graduate entrance exam)

BOOK SCIENTIFIC REVIEW

- [s1] Armin Shams-Baragh, *ACM ICPC World Finals 1991-2002*, Derakhshesh Publications, 2002. (in Persian)
Contributions: I was a scientific reviewer of the solutions provided by the author in the book. At the time of publication, it was the only book world-wide in which time-effective algorithmic solutions (almost always polynomial-time) to all the challenging problems of ACM International Collegiate Programming Contest World Finals have been proposed.

EDITORIALS

- [e2] Michele Polese, **Peyman Teymoori**, Jing Zhu, "Guest Editorial: Transport Layer Innovations for Future Networks," *IEEE Communications Magazine* 59(4):14-15, 2021.
- [e1] John Day, Eduard Grasa, **Peyman Teymoori**, Special Issue "Post-IP Networks: Advances on RINA and other Alternative Network Architectures". *Computers* 2020, 9, 82.

JOURNAL ARTICLES

- [j16] **Peyman Teymoori**, Toktam Ramezanifarkhani, "An Efficiency and Security Architecture for the Internet of Things: A Recursive InterNetwork Architecture (RINA) Approach", *is being submitted*.
(Already published as a technical report. See [r12])
(**Contributions**: the main idea, writing several sections of the article)
- [j15] Hamed Khanmirza, **Peyman Teymoori**, "BlueMIC: Coordination for Mitigating Inter-Piconet Interference in BLE5 Networks", *Submitted to Springer Wireless Networks*, 2024.
(**Contributions**: editing and scientific reviewing the manuscript)
- [j14] **Peyman Teymoori**, Michael Welzl, David Hayes, "LGCC: A Novel High-Throughput and Low Delay Paradigm Shift in Multi-Hop Congestion Control", in *IEEE/ACM Transactions on Networking*, 2023, doi: 10.1109/TNET.2023.3301291.
(Already published as a technical report. See [r9])
(**Contributions**: the main idea, writing most of the article)
- [j13] Kristjon Ciko, **Peyman Teymoori**, Michael, Welzl, "LGC-ShQ: Datacenter Congestion Control with Queueless Load-based ECN Marking", *ACM SIGCOMM Computer Communication Review, Volume 52, Issue 4, pp, 2–11, 2022*
<https://doi.org/10.1145/3577929.3577931>
(**Contributions**: designing the congestion controller)
- [j12] David Hayes, David Ros, Ozgu Alay, **Peyman Teymoori**, "Investigating predictive model-based control to achieve reliable consistent multipath mmWave communication" *Computer Communications* 194 (2022): 29-43, ISSN 0140-3664,
<https://doi.org/10.1016/j.comcom.2022.07.011>
(**Contributions**: designing the controller part)
- [j11] Michael Welzl, **Peyman Teymoori**, Safiqul Islam, David Hutchison, "The Future of Internet Congestion Control", in *IEEE Communications Magazine*, vol. 60, no. 9, pp. 87-92, September 2022, doi: 10.1109/MCOM.006.2200008.
(**Contributions**: writing an analysis section on the Internet rates)
- [j10] Mohammad H. Bazrafkan, Alireza Nowroozi, Toktam Ramezanifarkhani, **Peyman Teymoori**, "IAVS: Intelligent Active Network Vulnerability Scanner", in *the NISK journal*, No. 3 (2020).
(**Contributions**: editing/reviewing the paper, writing a section)
- [j9] **Peyman Teymoori**, David Hayes, Michael Welzl, Stein Gjessing. "Estimating an Additive Path Cost with Explicit Congestion Notification." in *IEEE Transactions on Control of Network Systems*, 2021. doi: 10.1109/TCNS.2021.3053179.
(**Contributions**: the main idea, writing most of the article)

- [j8] Alireza Nowroozi, **Peyman Teymoori**, Toktam Ramezanifarkhani, Mohammad Reza Besharati, and Mohammad Izadi. "A Crisis Situations Decision-Making Systems Software Development Process with Rescue Experiences." *IEEE Access* 8 (2020): 59599-59617.
(**Contributions**: involved in the writing of the article, the idea of how to develop a new software process)
- [j7] Mehdi Effatparvar, Mohammadreza Effatparvar, **Peyman Teymoori** and Naser Yazdani, "Revision of Request to Send (RTS) Threshold to Improve Efficiency of IEEE 802.11n Wireless Ad hoc Networks" *Research Journal of Applied Sciences, Engineering and Technology* 16(4):160-165, Maxwell Scientific Publication, 2019.
(**Contributions**: helping with analyzing the problem and paper writing)
- [j6] Muhammad Amin Araghizadeh, **Peyman Teymoori**, Nasser Yazdani, Saeed Safari. "An efficient medium access control protocol for WSN-UAV." *Ad Hoc Networks*, Volume 52, 2016, Pages 146-159.
(**Contributions**: coming up with an analytical solution, writing the related section, and editing the article)
- [j5] **Peyman Teymoori**, Khosrow Sohraby, and Kiseon Kim. "Fair flow control and fairness evaluation in computer networks and systems." *IEEE Transactions on Computers* 65.7 (2016): 2090-2103.
(**Contributions**: the main idea, writing most of the article)
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