Name: Igor Rochlin   **Date:** 09/2022

Faculty of Computer Science

The College of Management Academic Studies

CURRICULUM VITAE

1. Personal Details

Electronic Address: **igor.rochlin@gmail.com**

Marital Status: **Married + 2**

2. Higher Education

A. Undergraduate and Graduate Studies

2005 – 2009   **M.Sc. Computer Science** *(Cum laude)***, GPA: 91,**

Academic College of Tel-Aviv-Jaffa, Israel

Topic: "Software Testing by Evolutionary Algorithms"

Advisor: Professor Boris Epstein

2001 – 2005   **B.A. Computer Science** *(Cum laude)***, GPA: 90,**

B. Doctoral Degree

2011 – 2015   **Ph.D. Computer Science**

Bar-Ilan University, Israel

Title of Doctoral Dissertation: Costly Multi-Agent Exploration for a Common Goal

Advisor: Professor David Sarne

3. Academic Ranks and Tenure in Institutes of Higher Education

Dates	Institution and Department	Rank/Position
2020-Today	School of Computer Science, College of Management Academic Studies	Dean
2019-2020	School of Computer Science, College of Management Academic Studies	Deputy Dean
2016-Today	School of Computer Science, College of Management Academic Studies	Senior Lecturer
2016-2020	Faculty of Electrical and Computer Engineering, Bar-Ilan University	Senior Lecturer - External Academic Staff

2013-2016	School of Computer Science, College of Management Academic Studies	Lecturer
2011–2015	Bar-Ilan University	Adjunct Lecturer

4. <u>Offices in Academic Administration</u>

2020–Today: Dean, School of Computer Science, College of Management Academic Studies, Israel

2019–2020: Deputy Dean, School of Computer Science, College of Management Academic Studies, Israel

2015–2020: Head of the best student program, School of Computer Science, College of Management Academic Studies, Israel

2015–2018: Chair of the school's Colloquium, School of Computer Science, College of Management Academic Studies, Israel

5. <u>Scholarly Positions and Activities outside the Institution</u>

PC Member:
2017   International Conference on Autonomous Agents and Multiagent Systems (AAMAS-17)
2016   International Joint Conference on Artificial Intelligence (IJCAI-16)
<u>**Reviewing**</u>:
2019   IEEE Transactions on Control of Network Systems (TCNS'19)
2018   IEEE Transactions on Control of Network Systems (TCNS'18)
2016   ACM Conference on Economics and Computation (EC'16)
2015   Artificial Intelligence Journal (AIJ-14)
2014   Web Intelligence and Agent Systems: An International Journal (WIAS-14)
2014   International Conference on Autonomous Agents and Multiagent Systems (AAMAS-14)
2013   International Conference on Autonomous Agents and Multiagent Systems (AAMAS-13)
2012   International Conference on Autonomous Agents and Multiagent Systems (AAMAS-12)
2011   First European Workshop on Multi-agent Systems (EUMAS)

6. <u>Participation in Scholarly Conferences</u>

<u>Active Participation</u>

Date	Name of Conference	Place	Subject of Lecture/Discussion	Role
August, 2017	International Joint Conference on Artificial Intelligence (IJCAI-17)	Melbourne, Australia	Contest Design with Uncertain Performance and Costly Participation	Speaker
July, 2017	International Conference on Agents (ICA 2017)	Beijing, China	Contest Design with Uncertain Performance and Costly Participation	Speaker
June, 2017	Bar-Ilan Symposium on the Foundations of Artificial Intelligence (BISFAI-17)	Bar-Ilan, Israel	Contest Design with Uncertain Performance and Costly Participation	Speaker
February,	Thirty-First AAAI	San	Nurturing Group-Beneficial	Speaker

2017	Conference on Artificial Intelligence (AAAI 2017)	Francisco, California, USA	Information-Gathering Behaviors Through Above-Threshold Criteria Setting	
February, 2016	9th Research Day	Rishon-Lezion, Israel	Efficiency and Fairness in Team Search with Self-Interested Agents	Speaker
May, 2014	International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS 2014)	Paris, France	Constraining Information Sharing to Improve Cooperative Information Gathering	Speaker
January, 2014	Symposium of the Israeli association for Artificial Intelligence (IAAI-14)	Jerusalem, Israel	Constraining Information Sharing to Improve Cooperative Information Gathering	Speaker
July, 2013	Twenty-Seventh AAAI Conference on Artificial Intelligence (AAAI 2013)	Bellevue, Washington, USA	Information Sharing Under Costly Communication in Joint Exploration	Speaker
December, 2012	International Conference on Intelligent Agent Technology (IAT 2012)	Macau, China	Join Me with the Weakest Partner, Please	Speaker
August, 2012	20th European Conference on Artificial Intelligence (ECAI 2012)	Montpellier, France	Coordinated Exploration with a Shared Goal in Costly Environments	Speaker
August, 2011	International Conference on Intelligent Agent Technology (IAT 2011)	Lyon, France	Sequential Multilateral Search for a Common Goal	Speaker
June, 2011	11th Bar-Ilan Symposium on the Foundations of Artificial Intelligence (BISFAI-11)	Bar-Ilan, Israel	Sequential Multilateral Search for a Common Goal	Speaker

7. Invited Lectures\ Colloquium Talks

Date	Place of Lecture	Name of Forum	Presentation/Comments
May, 2018	Ariel University	Computer Science Colloquium	Constraining Information Sharing to Improve Cooperative Information Gathering (Or: More is less)
April, 2018	Holon Institute of Technology	Computer Science Seminar	Nurturing Group-Beneficial Information-Gathering Behaviors Through Above-Threshold Criteria Setting
March, 2014	Bar-Ilan University	Bar-Ilan Game Theory Seminar	Joint Search with Self-Interested Agents and the Failure

8. Research Grants

Role in Research	Co-Researchers	Topic	Funded by/Amount	Year	Score/Comments

Principal Investigator	Dr. A. Elmalech, Dr. I. Ziv, Prof. S. Itzikowitz	Early Detection of Acute Stress Related Disorders and Initial Treatment of Them by Means of Technological Tools	Israel Science Foundation (ISF)/1400000 ש"ח	2019	Under Review

9. Scholarships, Awards and Prizes

2019 **Outstanding researcher**, The College of Management Academic Studies, Israel.

2019 **Excellence in teaching**, The College of Management Academic Studies, Israel.

2017 **Excellence in teaching**, The College of Management Academic Studies, Israel.

2017 **Research Foundation**, The College of Management Academic Studies, Israel.

2016 **Excellence in teaching**, The College of Management Academic Studies, Israel.

2015 **Wolf Foundation**, to promote science and art for the benefit of mankind

2014 **Jay Modi Best Student Paper**, 13th International Conference on Autonomous Agents and Multiagent Systems (AAMAS-2014)

2014 AAMAS-2014 Student Scholarship, 13th International Conference on Autonomous Agents and Multiagent Systems

2013 AAAI-2013 Student Scholarship, Twenty-Seventh AAAI Conference on Artificial Intelligence

2012 ECCAI Awards 2012, ECAI 2012 - 20th European Conference on Artificial Intelligence, ECAI-2012 Student Scholarship

2011 Bar-Ilan University, Israel, President's Scholarship, 2011-2015

2011 HP, MVP employee award

1996 Mathematics competition open papers

10. Teaching

Courses Taught in Recent Years

Year	Course Name	Type: Lecture/Seminar/Workshop/ High Learn Course/Introduction	Degree
2013 – Present	Operation Systems	High Learn Course	BSc
2015 – Present	Web Application Development	High Learn Course	BSc
2015 – Present	Advanced Topics in Web Application Development	High Learn Course	BSc
2014 – Present	Object Oriented Programming	High Learn Course	BSc
2017 – Present	Software Engineering	High Learn Course	BSc
2017 – 2018	Introduction to Computer Science	High Learn Course	BSc
2014	DataBase Systems	High Learn Course	BSc
2011 – 2015	Advanced Algorithmic Programming 1	High Learn Course	BSc
2011 –	Advanced Algorithmic	High Learn Course	BSc

2015	Programming 2		

11. <u>Professional Experience</u>

2008 – 2011 **HP – R&D, Israel**
Technical Manager of a server side development teams, entailing gathering requirements, design, technical management of development teams

Skills: WEB environments, Java 1.6 ,intellij ,Ant ,maven ,Oracle DB ,SQL , Web Services ,XML ,Reflection

2007 – 2008 **Radware, Israel**

Leading software programmer as part of a server side development team

Skills: Java 1.5, Reflection, JAXB 2.0, SQL Oracle, XML, DOM, IDE–eclipse, EJB 3, AOP ,jboss-4.2.0 ,maven-2.0.7 ,Junit 4.0

2005 – 2007 **Amdocs, Israel**

Leading software programmer as part of a server side development team

Skills: JSP, JAVA, SQL SERVER 2000 ,SQL Oracle, SQL PLUS

<u>PUBLICATIONS</u>

A. Ph.D. Dissertation

Topic: Costly Multi-Agent Exploration for a Common Goal

Topic: Financial decision making by individuals and firms

Approved: 2016

Language: English

Institute: Bar-Ilan University

Advisor: Professor David Sarne

Brief Synopsis: Developing optimal exploration strategies for multi-agent exploration for a common goal in which exploration is inherently costly and the performance of each agent is affected by the results of the exploration carried out by all of the other agents

B. Articles in Refereed Journals

1. I. Rochlin, Y. Aumann, D. Sarne and L. Golosman, "**Efficiency and Fairness in Team Search with Self-Interested Agents**", Autonomous Agents and Multi-Agent Systems (**JAAMAS**), 30(3): 526-552, 2016. **Ranking: A***
2. I. Rochlin and D. Sarne, "**Constraining Information Sharing to Improve Cooperative Information Gathering**", Journal of Artificial Intelligence Research (**JAIR**), 54: 437-469, 2015. **Ranking: A***
3. I.Rochlin, D. Sarne and M. Mash, "**Joint Exploration with Self-Interested Agents The Fallacies of Cooperation Enhancers**", Artificial Intelligence Journal (**AIJ**), pp. 45-65, 2014. **Ranking: A***
4. I.Rochlin and D. Sarne, "**Utilizing Costly Coordination in Multi-Agent Joint Exploration**", Multiagent and Grid Systems (**MAGS**), 10(1): 23-49, 2014. **Ranking: A**
5. I. Rochlin, D. Sarne and G. Zussman, "**Sequential Multi-Agent Exploration for a Common Goal**", Web Intelligence and Agent Systems: An International Journal (**WIAS**) 11(3):221–244, 2013. **Ranking: B**

C. Articles in Conference Proceedings

1. P. Levy, D. Sarne and I. Rochlin, "**Contest Design with Uncertain Performance and Costly Participation**", In proceedings of of the Twenty-Sixth International Joint Conference on Artificial Intelligence, (**IJCAI-2017**), pp. 302-309, 2017. **Acceptance rate: 25%, Ranking: A* (**Top Tier Conferences**)**
2. I. Rochlin, D. Sarne, M. Bremer and B. Grynhaus, "**Nurturing Group-Beneficial Information-Gathering Behaviors Through Above-Threshold Criteria Setting**", In proceedings of the Association for the Advancement of Artificial Intelligence (**AAAI-2017**), pp. 3044-3052, 2017. **Acceptance rate: 25%, Ranking: A* (**Top Tier Conferences**)**

3. I. Rochlin and D. Sarne, "**Constraining Information Sharing to Improve Cooperative Information Gathering**", In proceedings of the International Joint Conference on Autonomous Agents and Multiagent Systems (**AAMAS 2014**), pp. 237-244, 2014. **(Best student paper award)**. **Acceptance rate: 23%, Ranking: A* (**Top Tier Conferences**)**

4. I. Rochlin, Y. Aumann, D. Sarne and L. Golosman, "**Efficiency and Fairness in Team Search with Self-Interested Agents**", In proceedings of the International Joint Conference on Autonomous Agents and Multiagent Systems (**AAMAS 2014**), pp. 365-372, 2014. **Acceptance rate: 23%, Ranking: A* (**Top Tier Conferences**)**

5. I. Rochlin and D. Sarne, "**Information Sharing Under Costly Communication in Joint Exploration**", In proceedings of the Twenty-Seventh AAAI Conference on Artificial Intelligence (**AAAI 2013**), pp. 847–853, 2013. **Acceptance rate: 24%, Ranking: A* (**Top Tier Conferences**)**

6. M. Mash, I. Rochlin and D. Sarne, "**Join Me with the Weakest Partner, Please**", In proceedings of the 2012 IEEE/WIC/ACM International Conference (**IAT 2012**), pp. 17-24, 2012. **Acceptance rate: 24%, Ranking: B**

7. I. Rochlin, D. Sarne and M. Laifenfeld, "**Coordinated Exploration with a Shared Goal in Costly Environments**", In proceedings of the ECAI 2012 - 20th European Conference on Artificial Intelligence (**ECAI 2012**), pp. 690-695, 2012. **Acceptance rate: 28%, Ranking: A (**Second Tier Conferences**)**

8. I. Rochlin, D. Sarne and G. Zussman, "**Sequential Multilateral Search for a Common Goal**", In proceedings of the 2011 IEEE/WIC/ACM International Conference on Intelligent Agent Technology (**IAT 2011**), pp. 349-356, 2011. **Acceptance rate: 21%, Ranking: A (**Second Tier Conferences**)**

D. <u>Summary of My Research Activities and Future Plans</u>

- Since 2019 I have changed my research focus on Computational Medicine and Pacers Contest Design