

Dr. Gadi Solotorevsky

Profile

Name: Gadi Solotorevsky, Ph.D

Email: gadis@mail.sapir.ac.il

Current Position: Senior Lecturer, Head of Computer Science dept, Sapir College
Hands-on CTO

Combines thought leadership, innovation, and hands-on expertise.

Innovator, and Inventor of patents in the fields of machine learning, big data analytics, and time series forecasting, author of several scientific papers on Distributed Artificial Intelligence and Resource Allocation.

Industry thought-leader in telecommunications and Business Assurance, with years of experience developing and deploying software, solutions, methodologies, and consulting.

Holds a BSc, MSc and PhD in Computer Science.

Experience

2020 – 2024: Yokaranda – CEO and Founder

2016 – 2024: Amdocs - Revenue Guard

2000 – 2016: cVidya - CTO

1994 – 2000: Fastech / Schedulogic, - Chief scientist

1992 – 1994 Shibuzit, R&D manager

2004 – present: TM Forum – Revenue/Business Assurance team leader/co-leader

2014 – 2018: TM Forum - Analytics Big Data Repository (ABDR) team co-leader

2011 – 2015: TM Forum - Ambassador

2006 – 2010: TM Forum, Advisory board/Council member

Education

- BSc. Computer science, Hebrew University of Jerusalem, Israel, 1988
- MSc. Computer Science (Resource Allocation), Ben Gurion University of the Negev, Israel, 1992
- PhD. Computer Science (Distributed Artificial Intelligence), Ben Gurion University of the Negev, Israel, 1999

Honors and Awards:

- TM Forum, Outstanding Contributor Award, 2021
- TM Forum, Distinguished Fellow Award, 2012
- TM Forum, Outstanding Contributor Award, 2010
- TM Forum, Outstanding Contributor Award, 2006

Scientific publications

- Amnon Meisels, Solomon Eyal Shimony, Gadi Solotorevsky: Bayes networks for estimating the number of solutions of constraint networks. Ann. Math. Artif. Intell. 28(1-4): 169-186 (2000)
- Gadi Solotorevsky, Solomon Eyal Shimony, Amnon Meisels: CSPs with counters: a likelihood-based heuristic. J. Exp. Theor. Artif. Intell. 10(1): 117-129 (1998)
- Gadi Solotorevsky, Ehud Gudes: Algorithms for Solving Distributed Constraint Satisfaction Problems (DCSPs). AIPS 1996: 191-198
- Gadi Solotorevsky, Ehud Gudes, Amnon Meisels: Modeling and Solving Distributed Constraint Satisfaction Problems (DCSPs). CP 1996: 561-562

- G. Trzewik, Ehud Gudes, Amnon Meisels, Gadi Solotorevsky: TRAPS - A Time Dependent Resource Allocation Language. NGITS 1995:
- Amnon Meisels, Ehud Gudes, Gadi Solotorevsky: Employee Timetabling, Constraint Networks and Knowledge-Based Rules: A Mixed Approach. PATAT 1995: 93-105
- Gadi Solotorevsky, Ehud Gudes, Amnon Meisels: RAPS: A Rule-Based Language for Specifying Resource Allocation and Time-Tabling. IEEE Trans. Knowl. Data Eng. 6(5): 681-697 (1994)

Patents

- Operational business service verification system: Patent number US 9,736,033
- System and method for retaining users anonymity: Patent number US 8,943,307
- Method and Software for Obtaining Answers to Complex Questions Based on Information Retrieved from Big Data Systems: Patent number US 20,160,196,301A1
- Methods, systems and computer code for finding outlier hyper cells in multidimensional hierarchical data sets: Patent us US8,050,989B2
- Methods, systems and computer readable code for forecasting time series and for forecasting commodity consumption: US 11,570,775
- System and method for generating policies for a communication network: US 8,775,645B2

TM Forum publications

- Business Assurance Maturity Model - - GB1046, project chair and author. V1.0, August 2023
- Business Assurance Dimension Framework, GB1004, contributor, V2.0.1, May 2020
- Business Assurance AI & Machine Learning Use-Case Guide, GB1004 Addendum A, contributor, March 2021,
- Business Assurance Transformation - Asset Assurance - Business Assurance Solution Suite GB1004 Addendum C, V1.1, contributor, March 2023
- Revenue Assurance Overview – TR131 - team leader and contributor
 - V1.0, December 2004
 - V2.0, Framework release 8, July 2008
 - V3.6, Framework release 12, December 2012
- Revenue Assurance KPI Metrics- Revenue Assurance Solution Suite GB941 Addendum A-1, team leader and contributor.
 - Version 1.1, Framework release 2007, June 2007
 - Version 3.0, Framework release 2011, April 2011
 - Version 3.4.1, Framework release 12, April 2012
 - Version 4.0, Framework release 2017, June 2017
- Revenue Assurance Maturity Model, RAMM 2 - Revenue Assurance Solution Suite GB941 , Addendum B, team leader and contributor
 - Version 2.0.0, Framework release 2014, April 2014
 - Version 3.0.2, Framework release 18, April 2018
- Revenue Assurance RFX Guidelines - Revenue Assurance Solution Suite GB941 Addendum C, team leader and contributor. Version 0.11, Framework release 12, April 2012
- Revenue Assurance Revenue Leakage Framework and Examples - Revenue Assurance Solution Suite GB941 Addendum D, team leader and contributor.
 - Version 2.0, Framework release 8, October 2008

- Version 3.6, Frameworkx release 12, March 2012
- Version 4, Frameworkx release 17, November 2017
- Revenue Assurance Risk Coverage Model - Revenue Assurance Solution Suite GB941 Addendum E, team leader and contributor.
 - Version 1.5, Frameworkx release 12, April 2012
- Revenue Assurance Coverage Model – Risk Inventory - Revenue Assurance Solution Suite GB941 Addendum E-1, team leader and contributor.
 - Version 1.4.1, Frameworkx release 11.5, April 2012
 - Version 2.0, Frameworkx release 23, June 2023
- Revenue Assurance Coverage Model – Measures Inventory - Revenue Assurance Solution Suite GB941 Addendum E-2, team leader and contributor.
 - Version 1.7.1, Frameworkx release 12, December 2012
 - Version 2.0, Frameworkx release 23, June 2023
- Measuring the Impact of Revenue Assurance - Revenue Assurance Solution Suite GB941 Addendum E, team leader and contributor.
 - Version 0.51, Frameworkx release 12.5, May 2013
- Business Assurance Surveys
 - IG1276 TM Forum Business Assurance Survey Report 2021-2022 - Co-lead
 - IG1210 TM Forum Revenue Assurance Survey Report 2019-2020 - Co-lead
 - TM Forum Revenue Assurance Survey Report 2017/18 – Co-Lead
 - TM Forum Revenue Assurance Survey Report 2016 - contributor
 - TR231 TM Forum Revenue Assurance Survey results 2013 - contributor

Selected Presentations, tutorials and workshops

- Mobile World Congress, MWC, Barcelona 2024
- Mobile World Congress, MWC, Los Angeles 2021
- Using Big Data and Innovative Analytics Algorithms, 2013 - Technion lecture - <https://www.youtube.com/watch?v=pUZTjlj2tvM>
- Conecta LATAM - 2108
- TM Forum Live, Nice - 2018, 2017
- IBC/Informa - Revenue Assurance and Fraud Management, 2016, 2012, 2011, 2010, 2009, 2008, 2007
- ETiS gathering - 2012
- TeleManagement World Europe, 2008, 2007, 2006, 2005
- TeleManagement World Americas, 2007, 2006