Yasser Mohammad

Principal Researcher
Knowledge Science Research Labs, NEC

Professor
Assiut University, Egypt

Date of Birth: Sep. 7, 1976

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Interests

- Automated Negotiation
- Time Series Data Mining
- Activity Recognition
- Robotics and HRI

Short Bio

Yasser received his PhD from Kyoto University in 2009. Since then he worked in universities, national research institutes, research companies and industrial research laboratories. He collaborated with experts in psychology, computer science, mathematics, robotics, HCI, HRI, machine learning among other fields. His research spans the area of applied AI with a focus on robotics and multiagent systems. Author of two books and over a hundred articles. A senior IEEE member, PC member and reviewer for AAAI, IJCAI, AAMAS, IROS, HRI, IEEE Trans. on System Man and Cybernetics, Social Robotics, Applied Intelligence, among many others. Main organizer of the SCML@ANAC running yearly in conjunction with AAMAS/IJCAI. Main maintainer of NegMAS and SCML.

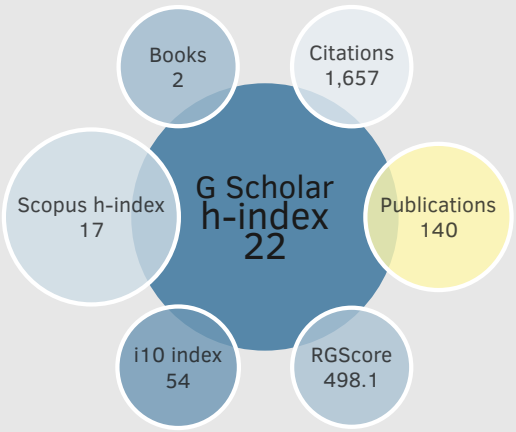
Industrial Experience

Jan, 2020 – ongoing	**Research Scientist**	**Knowledge Science Research Laboratories, NEC, Japan**
	Conducting research and developing systems in the areas of multi-agent systems and ML. Leading platform development and international cooperation in automated negotiation.	
Feb, 2020 – March 2026	**Specially Appointed Researcher**	**AIRC, AIST, Japan**
	Research in automatic negotiation specially preference elicitation.	
August, 2020 – July 2021	**Visiting Researcher**	**AIP, RIKEN, Japan**
	Research in automatic negotiation specially concurrent negotiation.	
Nov, 2017 – Dec, 2019	**Researcher**	**AIRC, AIST, Japan**
	Research in automatic negotiation.	
Jun, 2017 – Nov, 2017	**Data Science Advisor**	**Xtrava (xtrava.co), USA**
	Developing innovative real-time machine learning systems for biosensor data analysis.	
Nov, 2016 – Nov, 2017	**Chief Research Engineer**	**KDDI Research Inc. (kddi-research.jp) Japan**
	Conducting state of the art research in human behavior understanding using machine learning techniques. Applying pattern recognition and deep learning techniques to time-series data mining.	
Jan, 2007 – Mar 2009	**Technical Executive Officer**	**Ayonix Inc. (ayonix.com) Japan**
	Produced the complete first version of Ayofa SDK (A face detection/recognition SDK). Managed the development team of all products in the company.	
Apr, 2004 – Oct, 2005	**Developer**	**SCTU, Assiut Univ., Egypt**
	Developed Assiut University Information Systems Internet Portal and designed software for university automation.	

Academic Experience

Dec, 2022 – ongoing	**Professor (currently on leave)**	**Assiut Univ., Egypt**
	Teaching and conducting research in intelligent systems and participating in administrative efforts.	
Aug, 2016 – Dec, 2022	**Associate Professor**	**Assiut Univ., Egypt**
	Teaching and conducting research in computer and systems engineering and participating in administrative efforts.	
Oct, 2015 – Jun, 2016	**Adjunct Professor**	**E-JUST Univ., Egypt**
	Working as an Adjunct Assistant Professor for one day/week at Mechatronics and Robotics Engineering Department, Egypt-Japan University of Science and Technology (E-JUST), Egypt.	
Sep, 2012 – Aug, 2014	**JSPS Fellow**	**Kyoto Univ., Japan**
	Conducting research in imitation learning and its applications in robotics.	
Jul, 2011 – Dec, 2011	**GCOE Postdoc Visiting Researcher**	**Kyoto Univ., Japan**
	Conducting research in the applied intelligence dept. in collaboration with Prof. T. Nishida.	
Jan, 2010 – Aug, 2016	**Assistant Professor**	**Assiut Univ., Egypt**
	Teaching and conducting research in computer and systems engineering and participating in administrative efforts.	
Jun, 2005 – Dec, 2009	**Teaching Associate**	**Assiut Univ., Egypt**
	Assisting in teaching courses to students of Electrical Engineering, Mechanical Engineering and introductory Engineering courses and supervising graduation-projects	
Apr, 2000 – Jun, 2005	**Teaching Assistant**	**Assiut Univ., Egypt**
	Assisting in teaching courses to students of Electrical Engineering, Mechanical Engineering and introductory Engineering courses and supervising graduation-projects	
Sep, 1999 – Apr, 2000	**Teaching Assistant**	**Assiut Univ., Egypt**
	Assisting in teaching courses to students of Electrical Engineering, Mechanical Engineering and introductory Engineering courses and supervising graduation-projects	

Metrics



as of November 3rd, 2026

Profiles

Languages

Arabic (Mother Tongue)

English (Fluent)

Japanese (Learning)

Personal

Yasser lives with his partner, a medical doctor, and three children in Tokyo since 2016.

Education

2006 – 2009 **Ph.D. in Informatics (AI)** — **Kyoto Univ. Japan**
Title: Autonomous Development of Natural Interactive Behavior for Robots and Embodied Agents.
AI | HRI | Unsupervised Learning | Time Series Analysis

2001 – 2005 **M.Sc. in Computers and Systems Engineering** — **Assiut Univ. Egypt**
Title: Anubis: A novel network authentication protocol.
Computer Security | Network Authentication | BAN Logic

1993 – 1998 **B.Sc. in Electrical Engineering** — **Assiut Univ., Egypt**
Graduation Project: Construction and control of a 2D robot for drawing applications.
Robotics | Automatic Control | Simulation

Review and Editorial Duties publons profile

Journals	New Generation Computing, Social Robotics, IEEE Trans. on Systems Man and Cybernetics, IEEE Trans. on Industrial Electronics, Neurocomputing, AI & Society, Applied Intelligence, among many others ...
Conferences	AAAI, IJCAI, AAMAS, IEEE ROMAN, IEEE HRI, IEEE IROS, DATA, IEA/AIE, ISIEA, PECON, ACHI, ICCCI, ICAS, KUI, ...
Organizer	SCM league of the ANAC competition in conjunction with IJCAI since 2019

Honours and Awards

Dec 2023 **Best Paper Award** — Kyoto, Japan
The 7th IEEE International Conference on Agents (IEEE ICA)

Jan 2021 **Finalist for the International Automated Negotiating Agents Competition (Genius track)** — Nagoya, Japan
International Joint Conference on Artificial Intelligence (IJCAI)

Nov 2020 **Runner for Best Paper Award** — Nagoya, Japan
The 23rd International Conference on Principles and Practice of Multi-Agent Systems (PRIMA)

Mar 2015 **Best Presentation Award** — Kitakyush, Japan
the 3rd International Conference on Industrial Application Engineering

Sep 2014 **Outstanding Paper Award** — Seoul, South Korea
ICROS International Conference on Control, Automation and Systems (ICCAS) 2014 (out of 337 accepted papers from 25 countries)

Sep 2012 **JSPS Fellowship** — Kyoto University, Japan
JSPS long term post-doc fellowship for foreign researchers (2012-2014)

Jul 2011 **GCOE Postdoc Fellowship** — Kyoto University, Japan
July-December 2011

Oct 2011 **Best Paper Award** — Kitakyush, Japan
IEEE SII 2012 (Control) (from 248 accepted papers)

Jun 2009 **Best Paper Award** — Tainan, Taiwan
the Twenty Second International Conference Industrial, Engineering, and other applications of Applied Intelligent Systems (IEA/AIE 2009). Acceptance rate was 29% out of 286 submitted papers (ranked 46th among top 701 computer science conferences)

Jun 2008 **Best Paper Award** — Wroclaw, Poland
the Twenty First International Conference Industrial, Engineering, and other applications of Applied Intelligent Systems (IEA/AIE 2008). Acceptance rate was 30% out of 270 submitted papers (ranked 46th among top 701 computer science conferences)

Teaching Experience

Undergradute Courses (Partial List)

Assiut University — **Electrical Engineering** — 2010–2015
Introduction to Computer Science, Numerical Analysis, Microprocessors, Computer Organization, Computer Architecture, Database Systems, Digital Signal Processing, Databases

Assiut University — **Mechatronics** — 2010–2015
Robotics Engineering

Assiut University — **Information and Computers** — 2010–2015
Graphical User Interfaces, Network Security, Computer Security, Microprocessors, Computer Organization

Postgraduate Courses (Partial List)

E-JUST University — **Mechatronics Engineering M.sc. and PhD** — 2016
Intelligent Control Systems

Assiut University — **Electrical Engineering M.sc. and PhD** — 2010–2015
Robot Motion Planning, Pattern Recognition, Probabilistic Inference, Data Sciences and BigData

Academic Supervision

2012–2016 — **Mostafa Abdallah** — M.Sc., AUN, Egypt
An Integrated ROS stack for Autonomous learning of Perceptual and Motion Primitives

2015–2020 — **Yomna Mohammad** — M.Sc., AUN, Egypt
Pattern Discovery in Time Series

2019–2022 — **Niang Yo** — M.Sc., Fraunhofer, ISC, Germany
Design of AI agent for Supply Chain Management using Deep Reinforcement Learning

2019–2022 — **Alyaa Sabra** — M.Sc., AUN, Egypt
Feature Selection for Face Recognition

2019–2022 — **Zaynab Ashraf** — M.Sc., AUN, Egypt
Text Mining tool for Genome Scale Metabolic Model

2021– — **Abdallah Ahmed** — M.Sc., EJUST, Egypt
Deep Learning for Robot Navigation in Dynamic Environments

Funded Projects

May 2014 — **Theoretical Framework for Interactive Game Design** — >10M JPY
Investigator — **Aerospace Research and Development (AFOSR/AOARD)** To establish a theoretical framework for achieving content-rich, proficient and reliable communication between people and robots.
Japan

Sep 2012 — **Fluid Imitation Learning** — 2.5M JPY
PI — **Japanese Society for Promotion of Science** To design, implement and evaluate an imitation engine for humanoid robots that achieves fluid imitation by autonomously discovering interesting motions to imitate during its interaction with humans.
Japan

Nov 2008 — **Grounded Action Segmentation and Association** — 1M JPY
PI — **Global Centre of Excellence Young Researcher Program, Kyoto University** To build and evaluate an unsupervised algorithm for learning interactive behavior both in implicit and explicit nonverbal communication settings.
Japan

Dec 2007 — **Natural Listening for a Humanoid Robot** — 1.5M JPY
PI — **Global Centre of Excellence Young Researcher Program, Kyoto University** To design and implement a learning system that can help the robot achieve natural listening behavior in an automatic way.
Japan

References

Brown Univ., USA	**Amy Greenwald** amy_greenwald@brown.edu	Professor
MIT, USA	**Mark Klein** m_klein@mit.edu	Senior Research Scientist
Fukuchiyama Univ., Japan	**Toyoaki Nishida** toyoaki.nishida@fukuchiyama.ac.jp	Dean of the Faculty of Informatics

Patents/Patent Applications

JP2026/0000483 (application)
Negotiation Visualization Apparatus, and Negotiation Visualization Method **JP 2026**
A method for visualizing automated negotiation processes to enhance usability and a human-machine interface for negotiation support based on that visualization. (100%)

US 19/095,084 (application)
Negotiation Device, Negotiation Method, and Storage Medium **USA 2025**

JP application (NEC ref. 3270003695), filed 2025-09-05
Matching System, Matching Method, and Program **Japan 2025**
Matching of data providers and data users in an information marketplace (details to follow publication). (co-inventors and share to be confirmed)

US 18/447,264 (application)
Negotiation Protocol, Method and System for Implementing **USA 2025**
A system for adapting automated negotiation strategies for the TAU protocol. (100%)

US 18/317,112 (application)
Negotiation Method Including Selection of Neural Network and System for Implementing **USA 2024**
A system for selecting and using a neural architecture for automated negotiation. (90%)

US 12,086,895 (granted)
Automated Negotiation Agent Adaptation **USA 2024**
Automated negotiation agent adaptation is performed by detecting change in a utility function. (30%)

US 18/005,912 (US20230289908A1); PCT/JP2020/029145
Policy Generation Apparatus, Control Method, and Non-Transitory Computer-Readable Storage Medium **USA 2023**
A method for concurrent negotiation proven to be optimal against opponents with static acceptance models. (100%)

US 17/388,004 (application)
Negotiation Method Including Elicitation and System for Implementing **USA 2022**
A system for negotiation under uncertainty with elicitation-during-negotiation support using the Value of Information concept. (50%)

US 17/184,590 (application)
Adaptive Autonomous Negotiation Method and System of Using **USA 2022**
A new automated negotiation method that can generalize along negotiation domains and opponents. (30%)

JP6838259B2 (granted); app. JP2019-087106
Learning Data Generator, Judgment Device and Program **Japan 2021**
A method for training multiple pipelines of convolutional neural networks to achieve high accuracy in activity recognition. (90%)

JP6754343B2 (granted)
Neural Network Regulator, Device and Program **Japan 2020**
A method for compression of neural networks (convolutional or otherwise) based on novel application of feature selection techniques. (90%)

Publications and Talks

Books

[2015] Yasser Mohammad and Toyoaki Nishida. *Data Mining for Social Robotics: Toward Autonomously Social Robots*. Advanced Information and Knowledge Processing. Springer.

[2014] Toyoaki Nishida, Atsushi Nakazawa, Yoshimasa Ohmoto and **Yasser Mohammad**. *Conversational Informatics: A Data-Intensive Approach with Emphasis on Nonverbal Communication*. Springer.

Tutorials

[2026] Yasser Mohammad. Generative AI for Automated Negotiation. Tutorial at the 27th International Conference on Principles and Practice of Multi-Agent Systems (PRIMA 2026), Nagoya, Japan.

[2025] Yasser Mohammad. Developing Data-Driven Automated Negotiating Agents. Tutorial at the 29th Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD 2025), Sydney, Australia.

[2025] Yasser Mohammad. Reinforcement Learning for Automated Negotiation. Tutorial at the 24th International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2025), Detroit, MI, USA.

[2023] Yasser Mohammad. Automated Negotiation in Supply Chains. Tutorial at the IEEE International Conference on Agents (ICA 2023), Kyoto, Japan.

[2023] Yasser Mohammad. Reinforcement Learning for Automated Negotiation. Tutorial at the Australasian Joint Conference on Artificial Intelligence (AJCAI 2023), Brisbane, Australia.

[2022] Yasser Mohammad and Amy Greenwald. Automated Negotiation: Challenges and Tools. Tutorial at the 36th AAAI Conference on Artificial Intelligence (AAAI 2022), Vancouver, Canada.

[2020] Yasser Mohammad. Automated Negotiation in Supply Chain Management. Tutorial at the 23rd International Conference on Principles and Practice of Multi-Agent Systems (PRIMA 2020), Nagoya, Japan.

[2019] Yasser Mohammad. Automated Negotiation: Challenges and Tools. Tutorial at the 22nd International Conference on Principles and Practice of Multi-Agent Systems (PRIMA 2019), Turin, Italy.

Invited Talks

[2025] Yasser Mohammad. Advances in Solving Automated Negotiation Games. Invited talk at the Second Workshop on Game AI Algorithms and Multi-Agent Learning (GAAMAL@IJCAI 2025), Montreal, Canada.

[2024] Yasser Mohammad. Automated Negotiation: A New Frontier for AI in Business. Invited talk at Integration of Machine Learning and Mathematical Modeling, and Deepening of Its Theory II, Kyushu , Japan.

[2022] Yasser Mohammad. Concurrent Negotiation in Supply Chains: Problems, Solutions and Challenges. Invited talk at the 13th International Workshop on Agent-Based Complex Automated Negotiations (ACAN@IJCAI 2022), Vienna, Austria.

[2022] Yasser Mohammad. Generalized Bargaining Mechanisms: Mechanism Design for Automated Negotiation. Invited talk at the IBM/DIMACS Workshop on Bridging Game Theory and Machine Learning for Multi-Party Decision Making, New Jersey, USA.

[2018] Yasser Mohammad. Analysis and Commentary on PRIANAC and ANAC. Invited talk at the Pacific Rim International Automated Negotiation Agents Competition (PRIANAC@PRIMA 2018), Tokyo, Japan.

[2018] Yasser Mohammad. Fluid Imitation. Invited talk at Human-Robot Interaction: From Service to Industry (HRI-SI2018@IEEE RO-MAN 2018), Nanjing, China.

[2012] Yasser Mohammad. SSA Application to Motif Discovery and Causality Analysis in Robotics. Invited talk at the Third International Conference on SSA and Its Applications, Beijing, China.

International Journals

[2026] Yasser Mohammad. "Automated Negotiation with No Information about Partner Utility Functions Using the Tentative Acceptance Unique Offers Protocol". In: *Autonomous Agents and Multi-Agent Systems* 40.1, p. 21.

[2025] Yasser Mohammad, Haifeng Chen, Ryota Higa, Tomohito Ando and Satoshi Morinaga. "Generative AI for Automated Negotiation". In: *Journal of Innovation*.

[2025] Lewis Petch, Ahmed Moustafa, Xinhui Ma and **Yasser Mohammad**. "HFL-GAN: Scalable Hierarchical Federated Learning GAN for High Quantity Heterogeneous Clients". In: *Applied Intelligence* 55, p. 170.

[2023] Faten Abdelsalam Hamdi, Kosuke Kataoka, Yuka Arai, Naoki Takeda, Masanobu Yamamoto, **Yasser F. O. Mohammad**, Noureldin Abuelfadl Ghazy and Takeshi Suzuki. "An Octopamine Receptor Involved in Feeding Behavior of the Two-Spotted Spider Mite, Tetranychus urticae Koch: A Possible Candidate for RNAi-Based Pest Control". In: *Entomologia Generalis* 43.1.

[2023] Yasser Mohammad. "Optimal Time-Based Strategy for Automated Negotiation". In: *Applied Intelligence* 53.6, pp. 6710–6735.

[2021] Yasser Mohammad. "Concurrent Local Negotiations with a Global Utility Function: A Greedy Approach". In: *Autonomous Agents and Multi-Agent Systems* 35.2, p. 28.

[2020] Yasser Mohammad, Shinji Nakadai, Satoshi Morinaga and Katsuhide Fujita. "Supply Chain Management League (SCML) — Automated Negotiating Agent Competition for Manufacturing Value Chain". In: *Journal of the Japanese Society for Artificial Intelligence* 35.3.

[2019] Yasser F. O. Mohammad, Kazunori Matsumoto and Keiichiro Hoashi. "Selecting Orientation-Insensitive Features for Activity Recognition from Accelerometers". In: *IEICE Transactions on Information and Systems* E102-D.1, pp. 104–115.

[2018] Yasser F. O. Mohammad, Kazunori Matsumoto and Keiichiro Hoashi. "Primitive Activity Recognition from Short Sequences of Sensory Data". In: *Applied Intelligence* 48.10, pp. 3748–3761.

[2016] Yasser F. O. Mohammad and Toyoaki Nishida. "Exact Multi-Length Scale and Mean Invariant Motif Discovery". In: *Applied Intelligence* 44.2, pp. 322–339.

[2015] Yasser F. O. Mohammad and Toyoaki Nishida. "Learning Interaction Protocols by Mimicking: Understanding and Reproducing Human Interactive Behavior". In: *Pattern Recognition Letters* 66, pp. 62–70.

[2015] Yasser F. O. Mohammad and Toyoaki Nishida. "Shift Density Estimation Based Approximately Recurring Motif Discovery". In: *Applied Intelligence* 42.1, pp. 112–134.

[2015] Yasser F. O. Mohammad and Toyoaki Nishida. "Why Should We Imitate Robots? Effect of Back Imitation on Judgment of Imitative Skill". In: *International Journal of Social Robotics* 7.4, pp. 497–512.

[2013] Yasser F. O. Mohammad and Toyoaki Nishida. "Learning Where to Look: Autonomous Development of Gaze Behavior for Natural Human-Robot Interaction". In: *Interaction Studies* 14.3, pp. 419–450.

[2012] Yasser F. O. Mohammad and Toyoaki Nishida. "Fluid Imitation: Discovering What to Imitate". In: *International Journal of Social Robotics* 4.4, pp. 369–382.

[2010] Yasser F. O. Mohammad and Toyoaki Nishida. "Controlling Gaze with an Embodied Interactive Control Architecture". In: *Applied Intelligence* 32.2, pp. 148–163.

[2010] Yasser F. O. Mohammad and Toyoaki Nishida. "Using Physiological Signals to Detect Natural Interactive Behavior". In: *Applied Intelligence* 33.1, pp. 79–92.

[2009] **Yasser F. O. Mohammad** and Toyoaki Nishida. “Constrained Motif Discovery in Time Series”. In: *New Generation Computing* 27.4, pp. 319–346.

[2009] **Yasser F. O. Mohammad** and Toyoaki Nishida. “Interactive Perception for Amplification of Intended Behavior in Complex Noisy Environments”. In: *AI & Society* 23.2, pp. 167–186.

[2009] **Yasser F. O. Mohammad** and Toyoaki Nishida. “Toward Combining Autonomy and Interactivity for Social Robots”. In: *AI & Society* 24.1, pp. 35–49.

[2008] **Yasser F. O. Mohammad** and Toyoaki Nishida. “Interaction Between Untrained Users and a Miniature Robot in a Collaborative Navigation Controlled Experiment”. In: *International Journal of Information Acquisition* 5.4, pp. 291–307.

[2006] Toyoaki Nishida, Kazunori Terada, Takashi Tajima, Makoto Hatakeyama, Yoshiyasu Ogasawara, Yasuyuki Sumi, Yong Xu, **Yasser F. O. Mohammad**, Kateryna Tarasenko, Taku Ohya and Tatsuya Hiramatsu. “Toward Robots as Embodied Knowledge Media”. In: *IEICE Transactions on Information and Systems* E89-D.6, pp. 1768–1780.

International Conferences

[2026] Reyhan Aydoğan, Tim Baarslag, Tamara C. P. Florijn, Katsuhide Fujita, Catholijn M. Jonker and **Yasser Mohammad**. “[COMP25] The Automated Negotiating Agents Competition (ANAC) 2025 Challenges and Results”. In: *CoRR*. Vol. abs/2604.13914. arXiv: 2604.13914.

[2026] **Yasser Mohammad** and Haifeng Chen. “Automated Negotiation and Multimodal Time-Series Forecasting for Efficient Procurement”. In: *Proceedings of the 25th International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2026)*. Paphos, Cyprus.

[2025] Tomohito Ando, Nozomoi Miki, Norio Yanagi and **Yasser Mohammad**. “Automated Negotiation for Delivery Date Adjustment in Procurement”. In: *ECAI 2025 — 28th European Conference on Artificial Intelligence*. Vol. 413. Frontiers in Artificial Intelligence and Applications. Demo track. Bologna, Italy: IOS Press, pp. 5092–5095.

[2025] Reyhan Aydoğan, Tim Baarslag, Tamara C. P. Florijn, Katsuhide Fujita, Catholijn M. Jonker and **Yasser Mohammad**. “[COMP24] The Automated Negotiating Agents Competition (ANAC) 2024 Challenges and Results”. In: *Proceedings of the 24th International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2025)*. Detroit, MI, USA: IFAAMAS/ACM, pp. 3000–3002.

[2025] **Yasser Mohammad**. “Adapting Bargaining Strategies to the TAU Protocol for Better Negotiation Outcomes”. In: *ECAI 2025 — 28th European Conference on Artificial Intelligence*. Vol. 413. Frontiers in Artificial Intelligence and Applications. Bologna, Italy: IOS Press, pp. 4977–4984.

[2025] **Yasser Mohammad**. “Tackling the Protocol Problem in Automated Negotiation”. In: *Proceedings of the 24th International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2025)*. Blue Sky Ideas track. Detroit, MI, USA: IFAAMAS/ACM, pp. 2870–2874.

[2024] **Yasser Mohammad**, Shinji Nakadai and Amy Greenwald. “Automated Negotiation in Supply Chains: A Generalist Environment for RL/MARL Research”. In: *PRIMA 2024: Principles and Practice of Multi-Agent Systems — 25th International Conference*. Vol. 15395. Lecture Notes in Computer Science. Kyoto, Japan: Springer, pp. 19–24.

[2023] **Yasser Mohammad**. “Evaluating Automated Negotiations”. In: *IEEE International Conference on Agents (ICA 2023)*. Best Paper Award. Kyoto, Japan: IEEE, pp. 77–82.

[2023] **Yasser Mohammad**. “Generalized Bargaining Protocols”. In: *AI 2023: Advances in Artificial Intelligence — 36th Australasian Joint Conference on Artificial Intelligence*. Vol. 14472. Lecture Notes in Computer Science. Brisbane, Australia: Springer, pp. 261–273.

[2022] Abdullah Ahmed, **Yasser F. O. Mohammad**, Victor Parque, Haitham El-Hussieny and Sabah M. Ahmed. “End-to-End Mobile Robot Navigation Using a Residual Deep Reinforcement Learning in Dynamic Human Environments”. In: *18th IEEE/ASME International Conference on Mechatronic and Embedded Systems and Applications (MESA 2022)*. Taipei, Taiwan: IEEE, pp. 1–6.

[2022] Reyhan Aydoğan, Tim Baarslag, Katsuhide Fujita, Holger H. Hoos, Catholijn M. Jonker, **Yasser Mohammad** and Bram M. Renting. “The 13th International Automated Negotiating Agent Competition Challenges and Results”. In: *Recent Advances in Agent-Based Negotiation: Applications and Competition Challenges (ACAN@IJCAI 2022)*. Vol. 1092. Studies in Computational Intelligence. Springer, pp. 87–101.

[2022] Panikos Heracleous, Satoru Fukayama, Jun Ogata and **Yasser Mohammad**. “Applying Generative Adversarial Networks and Vision Transformers in Speech Emotion Recognition”. In: *HCI International 2022 — Late Breaking Papers (HCII 2022)*. Vol. 13519. Lecture Notes in Computer Science. Springer, pp. 67–75.

[2022] **Yasser Mohammad** and Shinji Nakadai. “Concurrent Negotiations with Global Utility Functions”. In: *Proceedings of the 21st International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2022)*. Auckland, New Zealand: IFAAMAS, pp. 1947–1949.

[2022] Ayan Sengupta, Shinji Nakadai and **Yasser Mohammad**. “Transfer Learning Based Adaptive Automated Negotiating Agent Framework”. In: *Proceedings of the Thirty-First International Joint Conference on Artificial Intelligence (IJCAI 2022)*. Vienna, Austria: ijcai.org, pp. 468–474.

[2021] Panikos Heracleous, **Yasser Mohammad** and Akio Yoneyama. “Speech Emotion Recognition Using Combined Multiple Pairwise Classifiers”. In: *HCI International 2021 — Late Breaking Posters (HCII 2021)*. Vol. 1498. Communications in Computer and Information Science. Springer, pp. 115–118.

[2021] Ayan Sengupta, **Yasser Mohammad** and Shinji Nakadai. “An Autonomous Negotiating Agent Framework with Reinforcement Learning Based Strategies and Adaptive Strategy Switching Mechanism”. In: *Proceedings of the 20th International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2021)*. ACM, pp. 1163–1172. .

[2020] Reyhan Aydoğan, Tim Baarslag, Katsuhide Fujita, Johnathan Mell, Jonathan Gratch, Dave Jonge, **Yasser Mohammad**, Shinji Nakadai, Satoshi Morinaga, Hirotaka Osawa, Claus Aranha and Catholijn M. Jonker. “Challenges and Main Results of the Automated Negotiating Agents Competition (ANAC) 2019”. In: *Multi-Agent Systems and Agreement Technologies — 17th European Conference (EUMAS 2020) and 7th International Conference (AT 2020)*. Vol. 12520. Lecture Notes in Computer Science. Thessaloniki, Greece: Springer, pp. 366–381. .

[2020] Panikos Heracleous, **Yasser Mohammad** and Akio Yoneyama. “Integrating Language and Emotion Features for Multilingual Speech Emotion Recognition”. In: *Human-Computer Interaction. Multimodal and Natural Interaction (HCII 2020)*. Vol. 12182. Lecture Notes in Computer Science. Copenhagen, Denmark: Springer, pp. 187–196. .

[2020] Panikos Heracleous, Kohichi Takai, Yanan Wang, Keiji Yasuda, Akio Yoneyama and **Yasser Mohammad**. “An Empirical Study on Feature Extraction in DNN-Based Speech Emotion Recognition”. In: *HCI International 2020 — Late Breaking Posters (HCII 2020)*. Vol. 1293. Communications in Computer and Information Science. Copenhagen, Denmark: Springer, pp. 315–319. .

[2020] Yasser Mohammad. “Optimal Deterministic Time-Based Policy in Automated Negotiation”. In: *PRIMA 2020: Principles and Practice of Multi-Agent Systems — 23rd International Conference*. Vol. 12568. Lecture Notes in Computer Science. Best Paper Award runner-up. Nagoya, Japan: Springer, pp. 68–83. .

[2020] Yasser Mohammad, Shinji Nakadai and Amy Greenwald. “NegMAS: A Platform for Automated Negotiations”. In: *PRIMA 2020: Principles and Practice of Multi-Agent Systems — 23rd International Conference*. Vol. 12568. Lecture Notes in Computer Science. Nagoya, Japan: Springer, pp. 343–351. .

[2019] Enrique Areyan Viqueira, Cyrus Cousins, **Yasser Mohammad** and Amy Greenwald. “Empirical Mechanism Design: Designing Mechanisms from Data”. In: *Proceedings of the Thirty-Fifth Conference on Uncertainty in Artificial Intelligence (UAI 2019)*. Vol. 115. Proceedings of Machine Learning Research. Tel Aviv, Israel: AUAI Press, pp. 1094–1104. .

[2019] Panikos Heracleous, **Yasser Mohammad**, Keiji Yasuda and Akio Yoneyama. “Speech Emotion Recognition Using Spontaneous Children’s Corpus”. In: *Computational Linguistics and Intelligent Text Processing — 20th International Conference (CICLing 2019)*. Vol. 13452. Lecture Notes in Computer Science. La Rochelle, France: Springer, pp. 321–333. .

[2019] Panikos Heracleous, **Yasser Mohammad** and Akio Yoneyama. “Deep Convolutional Neural Networks for Feature Extraction in Speech Emotion Recognition”. In: *Human-Computer Interaction. Recognition and Interaction Technologies (HCII 2019)*. Vol. 11567. Lecture Notes in Computer Science. Orlando, FL, USA: Springer, pp. 117–132. .

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