

CURRICULUM VITAE**1. Personal Details**

Permanent Home Address: Hadudaom St., Ramat Efal, 52960

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2. Higher Education**A. Undergraduate and Graduate Studies**

Period of Study	Name of Institution and Department	Degree	Year of Approval of Degree
1988-1994	The Graduate Center, CUNY – The City University of New York, New York, USA	Ph.D. in Artificial Intelligence	1994
1992	The Graduate Center, CUNY – The City University of New York, New York, USA	M.A. in Computational Linguistics ^❶	
1984-1987	Bar-Ilan University	B.A. in English Linguistics	1987

B. Further Studies

Period of Study	Name of Institution and Department	Professional Licence	Date of Award
2008 (3 months)	Tel-Aviv University	Mediator Certificate ^❷	12/2008
1996 (5 months)	IBM University – Tel-Aviv	Software Engineering Certificate ^❸	6/1996

^❶ Direct Ph.D. program^❷ Mediation course^❸ Software engineering retraining program for academic graduates

3. Academic Ranks and Tenure in Institutes of Higher Education

Dates	Name of Institution and Department	Rank/Position
18/9/2025-18/9/2027	University of Pittsburgh, Center for Governance and Markets, School of Public and International Affairs, Pittsburgh, USA	Appointment as Senior Non-Resident Scholar (two-year affiliation)
1/9/2021-present	HIT – Holon Institute of Technology, Faculty of Sciences – Computer Science/School of Multidisciplinary Studies	Senior Lecturer of Practice <i>with tenure</i>
1/6/2018-present	HIT – Holon Institute of Technology, Holon, Israel	Head – Department of Multidisciplinary Studies (since 2021 School of Multidisciplinary Studies)
2017-present (effective Spring 2017)	The Graduate Center, City University of New York, New York, USA	Adjunct Professor – Doctoral faculty of Linguistics program
1/10/2016-1/6/2018	HIT – Holon Institute of Technology, Faculty of Engineering, Multi-disciplinary Cluster, Holon, Israel	Head of Multidisciplinary Cluster
Spring 2016	The Graduate Center, City University of New York, New York, USA	Visiting Professor – Computational Linguistics
1/2/2015-1/9/2021	HIT – Holon Institute of Technology, Faculty of Sciences – Computer Science/Faculty of Engineering/Department of Multidisciplinary Studies ^④	Lecturer
10/2013-2/2015	HIT – Holon Institute of Technology, Faculty of Engineering, Holon, Israel	Equivalent to Lecturer
2010-2014	Afeka Engineering College, Israel	Adjunct Professor
1995-1996	Bar-Ilan University, Department of Computational Linguistics, Ramat Gan, Israel	Adjunct Professor – Computational Linguistics course (Cross Ling-CS)

4. Offices in Academic Administration

*2023 Member of Steering Committee: Graduate program: AI and robotics program - HIT – Holon Institute of Technology, Holon, Israel

* Since last promotion

④ 1/10/2017-30/9/2018: 75% In Faculty of Sciences and 25% In Faculty of Engineering;
30/9/2018-present: 50% in Faculty of Sciences and 50% in School of Multidisciplinary Studies

5. Scholarly Positions and Activities outside the Institution**a. Committees and Boards:**

- *2023 Nomination to GPAI Multi-stakeholder Expert Group (MEG) and the OECD's Network of Experts in AI (ONE AI)⑤
- 2018-present Member of Editorial Board – Speech Technology Magazine
- 2009-present Member – Speech TEK Europe Advisory Board
- 2004-2021 Chairwoman - AVIOS Israeli Local Chapter – Applied Voice Input/Output Society, Israel
- 1999 Member (formal nomination) – Israel Parliament Committee for SMART ID

b. Initiator:

- 2018 Initiator and Curator (in collaboration with Dr. Sayfan-Giulia Borghini) - "Inter Section" Exhibition, Vitrina Gallery, HIT – Holon Institute of Technology, Holon, Israel

c. Miscellaneous:

- 24-25/3/2021 Panel of judges - 4th Hackathon, Shenkar College of Engineering, Design and Art, Israel
- 11/1/2021 Radio interview with Dudu Erez: "Three who know" - IFAT Media Information, Tel-Aviv, Israel
- 2020 Academic Investigator (accepted 15/10/2020) - NLP (Natural Language Processing) & Speech International Consortium, Israel

6. Participation in Scholarly Conferences**a. Active Participation in Israel**

Date	Name of Conference	Place of Conference	Subject of Lecture/Discussion	Role
9/3/2023	Conference - AI: Game Over <u>or</u> Game Changer	HIT, Holon, Israel		Member of Steering Committee; Panel Leader: Artificial Intelligence – How to work in disruption
30/3/2022	AI2 – Artificial Intelligence – Academy and Industry	HIT, Holon, Israel		Member of Organizing Committee/ Panel Moderator and Organizer
4/11/2019	Leonardo Da Vinci Conference, HIT's Annual Distinguished Scientist Series	Holon, Israel		Member of Academic Committee

* Since last promotion

⑤ GPAI is a multi-stakeholder initiative which aims to bridge the gap between theory and practice on AI by supporting cutting-edge research and applied activities on AI-related priorities. The organization is part of OECD since July 2024.

6. Participation in Scholarly Conferences, contd.**a. Active Participation in Israel**

Date	Name of Conference	Place of Conference	Subject of Lecture/Discussion	Role
4/11/2019	Leonardo Da Vinci Conference, HIT's Annual Distinguished Scientist Series	Holon, Israel		Member of Academic Committee
17-18/4/2019	Third National Hackathon in Industrial Engineering and Management, Shenkar College of Engineering, Design and Art	Ramat Gan, Israel		Invited Member of Advisory Board
8/11/2018	One-day Conference on: Newton - Science, Faith and the 21st Century	HIT, Holon, Israel	Session: Video Analytics	Member of Scientific Program Committee/ Session Chair
16/1/2018	Biometrics Israel 2018	Tel-Aviv, Israel	• Panel: Expanding Biometrics using Multimodality	Panel Moderator
28/3/2017	AVIOS HIT - Annual Conference	Holon, Israel		Chairperson
7-8/7/2014	The Afeka Conference for Speech Processing	Tel-Aviv, Israel	• Session: Mobile Multimodality	Member of Technical Program Committee/ Session Chairwoman
1-2/7/2013	Speech Processing Conference	Afeka, Israel	• Session III • Voice user interface (VUI) workgroup	Session and Workgroup Chairwoman

b. Active Participation Abroad

Date	Name of Conference	Place of Conference	Subject of Lecture/Discussion	Role
*9-14/10/2023	ATHENA European University HMU - Erasmus Days 2023: The Impact of AI in Higher Education			Member of experts panel on the subject of AI

* Since last promotion

6. Participation in Scholarly Conferences, contd.**b. Active Participation Abroad**

Date	Name of Conference	Place of Conference	Subject of Lecture/Discussion	Role
*27-30/9/2023	AmiEs 2023 – International Symposium on Ambient Intelligence and Embedded Systems	Sitia, Crete, Greece		Session Chair
*24-26/6/2023	END 2023 – International Conference on Education and New Developments	Lisbon, Portugal		Session Chair
8/3/2021	ATHENA European University and International Relations Office Hellenic Mediterranean University		Women in Science roundtable discussion	Panelist
11-12/4/2016	Mobile Voice Conference 2016	San Jose, CA, USA	Track 1: Trends and Applications -Enterprise Applications and the Language User Interface	Track Moderator
19-21/8/2013	SpeechTEK 2013	New York, USA	<ul style="list-style-type: none"> • Panel: The business value of a personal digital assistants • Panel: The state of the art in voice interaction design 	Panel Moderator/ Panelist
13-15/8/2012	SpeechTEK 2012	New York, USA	<ul style="list-style-type: none"> • Panel: The smartphone customer experience 	Panel Moderator
20-23/8/2007	SpeechTEK 2007	New York, USA	<ul style="list-style-type: none"> • Session: Speech enables self-service • Session: Using multimodal technology to improve language skills 	Session Moderator

* Since last promotion

6. Participation in Scholarly Conferences, contd.**c. Organization of Conferences or Sessions in Israel**

Date	Name of Conference	Place of Conference	Subject of Lecture/Discussion	Role
23/11/2020	Virtual Exhibition" GRIDDED FABRIC(ations): Visual Imaginaries of the Grid, accompanying the Multidisciplinary Grid 2020 Conference	Vitrina Gallery, Holon, Israel		Initiator together with the Exhibition's team
23/11/2020	The Multidisciplinary Grid 2020 Conference	HIT, Holon, Israel		Initiator and Organizer/ Member of Conference Committee
24/3/2020	Innovation in the Era of ChatBots	HIT, Holon, Israel		Organizer (HIT and IDU cooperation)
13/6/2018	Conference on Ethics and Artificial Intelligence	Tel-Aviv, Israel		Organizer (HIT and IDU cooperation)
28/3/2017	AVIOS HIT - Annual Conference	Holon, Israel		Conference Organizer

d. Oral and Poster Presentations in Israel

*9/4/2024	Tel-Hai Conference - Pedagogy and Teaching in Academia, Upper Galilee, Israel Oral presentation: Three layers methodology (L. Sahar-Inbar, N. Shaked)
*9/6/2022	TELEM's 9th Conference, HIT – Holon Institute of Technology, Holon, Israel [online] Oral presentation: Multimodality – Data sensors and interactive technologies
24/3/2020	Innovation in the Era of ChatBots (HIT and IDU cooperation) Oral presentation: Customer service in digital distress
4/11/2019	Leonardo Da Vinci Conference, HIT's Annual Distinguished Scientist Series, Holon, Israel Oral presentation: Leonardo – Who are you? (A. Pridor, N. Shaked)
3-7/11/2019	HIT on Stage: HIT's International Week – Leonard Da Vinci: 50 Years of Legacy, Holon, Israel Oral presentation: My avatar and me
19/12/2018	ISACA 2018 Conference – Technology 4.0 – R U Ready? Ramat Gan, Israel Oral presentation: Ethical issues in AI
19/11/2018	Sixth Israeli Video Analytics Conference, Lago Conference Center, Rishon LeZion West, Israel Oral presentation: Social robots – Interactive data processing

* Since last promotion

6. Participation in Scholarly Conferences, contd.**d. Oral and Poster Presentations in Israel**

- 13/6/2018 Conference on Ethics and Artificial Intelligence, Tel-Aviv, Israel
Oral presentation: Artificial Intelligence – what is at stake?
- 4/6/2018 5th Conference on Instructional Technologies, HIT, Holon, Israel
Oral presentation: Interactive technologies in the virtual world
(N. Shaked, E. Gal)
- 11/9/2017 3rd Meeting of the Digital Edge Meet-Ups 2017, Tel-Aviv, Israel
Oral presentation: The challenges of applied interfaces multimodality
between humans and the computer
- 28/3/2017 AVIOS HIT – Annual Conference, Holon, Israel
Opening lecture: Conversational interactions
- 16/6/2015 The Afeka Conference for Speech Processing, Tel-Aviv, Israel
Oral presentation: A speech crawler as acoustic DB generator
(A Borodin, S. Buchas, L. Kapnulin, B. Tsiganiyk,
N. Harel, N. Shaked)

Accepted for presentation:

- *2/11/2025 The 24th Annual Conference of the Israeli Society for the History, Philosophy and
Sociology of Science, Ben-Gurion University of the Negev, Be'er Sheba, Israel
Oral presentation: Responsible AI and real-time emotion detection
(G. Wellner, N. Shaked)

e. Oral and Poster Presentations Abroad

- *19/1/2024 ATHENA Talks, Athena University, Greece
Oral presentation: How AI can assist, not replace humans
- *13-14/11/2023 5th International Conference on Renewable Energy, Resources and Sustainable
Technologies & Biopolymers and Bioplastics, Paris, France
Oral presentation: Integrating early childhood education to reduce the ecological
footprint
(H. Friman, I. Banner, L. Inbar, N. Shaked)
- *25-29/9/2023 1st Athena Technology Forum, Hellenic Mediterranean University, Sitia,
Crete, Greece
Oral presentation: 1. The grid of multidisciplinary, interdisciplinary and
transdisciplinary
2. The dilemma of AI education – Technology meets
educations meets ethics
- *26-30/9/2022 9th Erasmus International Week in Digital and Soft Skills Development,
Hellenic Mediterranean University, Chania, Crete, Greece,
Oral presentation: Artificial intelligence professional skills
- *12-13/4/2022 Conversational Interaction Conference – Connecting People and Computers through
Human Language, San Jose, CA, USA
Oral presentation: Relation in the virtual grid: A digital dialog
- 13/12/2019 Chatbot Summit – Post-Conference Workshop Day, Berlin, Germany
Oral presentation: Evaluation, testing methodology, and best practices for
speech-based interaction systems
- 12/12/2019 Voice Summit, Station – Berlin, Germany
Oral presentation: The voice of reason: Affective interaction using VUI

* Since last promotion

6. Participation in Scholarly Conferences, contd.**e. Oral and Poster Presentations Abroad**

- 5-6/2/2018 Conversational Interaction Conference, DoubleTree, San Jose, CA, USA
Oral presentation: Aspects of virtual assistance for the elderly
- 2/6/2016 AVIOS NY Area Local Chapter Meeting, CUNY Graduate Center, New York, USA
Oral presentation: Multimodal conversational agents (Avatars and virtual agents)
- 11-12/4/2016 Mobile Voice Conference 2016, San Jose, CA, USA
Oral presentation: Multimodal conversational agents
- 18-20/11/2014 EURO ID 2014 – International Exhibition and Conference for Identification, Frankfurt am Main, Germany
Oral presentation: Challenges of deploying voice biometrics in contact centers

f. Seminars in Israel

- *15/9/2025 Seminar on Bots and Robots in Technological Use – General Change in the Game, Foundation of Academic Engineering Knowledge (קרן ידע הנדסי אקדמי) Royal Beach Hotel, Eilat
Oral presentation: AI, robots and avatars – A technological glimpse behind the scenes
- *28/5/2025 Faculty of Sciences, School of Computer Science, HIT – Holon Institute of Technology, Holon, Israel
Oral presentation: Responsible AI: Ethics and regulation in the new era
- *29/11/2023 Sapir College, Negev, Israel
Oral presentation: Artificial Intelligence
- 12;19/8/2021 Israel Directors Union (IDU) Innovation Workshop for Bimodal Management, HIT – Holon Institute of Technology, Holon, Israel
Oral presentation: Crypto: Blockchain, AI, big data
- 30/1/2020 HIT – Holon Institute of Technology, Holon, Israel
Oral presentation: Ethics of AI
- 3/1/2020 Bar-Ilan University, MBA program, Ramat Gan, Israel
Oral presentation: Ethical issues and challenges in AI

g. Seminars Abroad

- *19/5/2025 Seminar-Workshop, FH Joanneum University of Applied Sciences, Graz, Austria
Oral presentation: Responsible AI: Ethics and regulation in the new era
- *12/5/2025 Seminar-Workshop, FH Joanneum University of Applied Sciences, Graz, Austria
Oral presentation: 1. AI and academic integrity – Who moved my cheese and how far...?
2. The evolution, the revolution, the disruption
- *6/2/2025 CUNY Graduate Center Linguistic Workshop - Professional Development Series (zoom)
Oral presentation: Conversational & multimodal AI systems
- *3/10/2024 AI Team at Uniphore, New York City facilities, NY, USA
Oral presentation: AI ethics and regulations
- *19/9/2024 CUNY Graduate Center, New York, USA
Oral presentation: Responsible AI: Ethics and regulation in the new era
- *24/5/2022 AP University of Applied Sciences and Arts, Antwerp, Belgium
[Online lecture on AI and Ethics at Neural Networks lesson]

* Since last promotion

6. Participation in Scholarly Conferences, contd.**g. Seminars Abroad**

- *14-18/3/2022 Thomas More – University of Applied Sciences, Geel Campus, Belgium: Lectures at the International Days
Oral presentation: 1. AI and UI meet, IF Dept. (16/3/2022)
2. When technology meets market forces, Business School (17/3/2022)
- *3/2/2022 CUNY Workshop: Computational Linguistics Speaker Serie Online Seminar
Oral presentation: Speech processing for intelligent systems
- 2/2020 Artesis Plantijn University College of Antwerp (AP Science and Technology), Antwerp, Belgium - Wearable Computing Seminar to ICT students in the framework of the Erasmus Project
- 10/11/2019 New York Institute of Technology, New York, USA
Oral presentation: Speech processing for intelligent systems
- 2-3/10/2019 Coventry University, Research Services, Coventry, UK
Oral presentation: Next generation technologies for improving provision in education, health and wellbeing
(with Prof. Gila Kurtz)
- 3/2/2017 CUNY Graduate Center, New York, USA
Oral presentation: Avatars and virtual agents – Relationship interfaces for health applications
- 12/5/2016 Professional Development Seminar, CUNY Graduate Center, New York, USA
Oral presentation: Speech based services – Testing linguistic values
- 1/4/2016 Brandeis University, MA, USA
Oral presentation: The role of NLP in human machine interaction in the mobile world
- 19/2/2016 NLP Seminar, CUNY Graduate Center, New York, USA
Oral presentation: The role of NLP in human machine interaction in the mobile world

h. Organization of Workshops in Israel

Date	Name of Conference	Place of Conference	Role
12 & 19/8/2021	Israel Directors Union (IDU) Innovation Workshop for Bimodal Management	HIT, Holon, Israel	Organizer

7a. Invited Guest Lectures in Israel

Date	Place of Lecture	Name of Forum	Presentation/Comments
*4/12/2024	Magic with Artificial Intelligence, Ministry of Education, Haifa District, Israel		Opening Lecture: Artificial Intelligence (AI) – Opportunities and challenges
*24/8/2023	“HolonEdu” – Holon Education Conference, Holon Municipality, Holon, Israel		Invited Lecture: How to build boundaries in the world of Artificial Intelligence

* Since last promotion

7a. Invited Guest Lectures in Israel, contd.

Date	Place of Lecture	Name of Forum	Presentation/Comments
*5/7/2023	Annual Seminar of Faculty of Education: AI in Academia and Teacher's Training, Beit Berl College, Israel		Invited Lecture: Ethics and regulations and AI – Challenges and thoughts
*29/6/2023	Levinsky-Wingate: Annual Faculty Day, Levinsky Campus, Tel-Aviv, Israel		Opening Keynote Lecture: The AI revolution: Thoughts on challenges in instruction, learning, evaluating, academia
*13-15/6/2023	Annual Workshop of the IT Managers Forum, The Israeli Chamber of Information Technology, Natanya, Israel		Invited Lecture: NLP – Language processing challenges in the light of changing technology
*4/1/2023	Seminar: Artificial Intelligence – Why The Fuss? The Influence of AI on Society, Education and Creativity, The Open University of Israel, Research Center for Innovation for Learning Technologies, Ra'anana, Israel		Invited Speaker: AI - What does it really mean?
*5-6/9/2022	Workshop on Cultural Welfare, Neve Shalom, Israel	First Italy-Israel Seminar on Innovative Multidisciplinary Approaches to Human Health and Social Well Being	Invited Lecture: Multimodal conversational interaction
*8/2/2022	Haifa University, Haifa, Israel		Guest Lecture: Interdisciplinary – Humanities and Exact Sciences
2-4/11/2020	Virtual Israel Conference on Information Technologies		Invited Lecture: Intelligent voice interaction as part of today's infrastructure
23/9/2020	Speech Processing Workshop - The Area of Automated Speech Processing (virtual)	Joint Session: HIT – Holon Institute of Technology, Israel and KFU Kazan Federal University, Kazan, Russia	Invited Lecture: Speech processing for intelligent systems

*Since last promotion

7a. Invited Guest Lectures in Israel, contd.

Date	Place of Lecture	Name of Forum	Presentation/Comments
5/6/2018	BDO Customer Management, Tel-Aviv, Israel		Guest Lecture: Customer experience
26/4/2017	Open University, Research Center for Innovation in Learning Technologies, Israel		Guest Lecture: Avatars and virtual agents – Relationship and multimodal interfaces

7b. Invited Guest Lectures Abroad

Date	Place of Lecture	Name of Forum	Presentation/Comments
*25/9/2025	FH Joanneum University of Applied Sciences, Graz, Austria	Webinar on the topic of Responsible AI	Invited Lecture: Responsible AI: Ethics and regulation in the new era
*28/3/2025	Hellenic Mediterranean University (HMU), Department of Electronic Engineering at Chania, Greece		Invited Lecture: Responsible AI: Ethics and regulations in the new era
*15/1/2025	The Center of Governance and Markets; Institute for Cyber Law, Policy, and Security, University of Pittsburgh, Pittsburgh, USA		Invited Lecture: Responsible AI: Ethics and regulation in the new era
*27-31/5/2024	11th International Week 3rd ATHENA International Week, Chania, Crete (Erasmus+)		Invited Lecture: A creative look at QA process for PBL and international courses
*13/5/2024	Staff Week Future of Work, FH JOANNEUM and EU4DUAL (Erasmus+)		Keynote Lecture: AI for all – It's not science fiction anymore
*8-10/5/2024	The Nairobi Innovation Week (NIW), Nairobi, Kenya		Invited Lecture: Multidisciplinary academics – Vision and challenges
*27-30/9/2023	AmiEs 2023 – International Symposium on Ambient Intelligence and Embedded Systems, Sitia, Crete, Greece		Invited Lecture: The impact of cutting-edge AI technologies on our education systems

*Since last promotion

7b. Invited Guest Lectures Abroad, contd.

Date	Place of Lecture	Name of Forum	Presentation/Comments
*8-12/5/2023	International Staff Week: Tackling the Grand Challenges from a Multidisciplinary Perspective, FH Joanneum - University of Applied Sciences, Graz, Austria		Keynote Lecture: Multidisciplinary education to leverage academic schooling
*13-17/3/2023	18th Thomas More International Days: Multidisciplinary in Teaching, Thomas More University of Applied Sciences, Mechelen, Belgium		Invited Keynote Speaker: Multidisciplinary approach to academic education
*3/2/2023	Computational Linguistics Speaker Serie Seminar, The Graduate Center, City University of New York, USA		Invited Workshop: Conversational AI and the digital dialog
*26-30/9/2022	9th Erasmus International Week in Digital and Soft Skills Development, Hellenic Mediterranean University, Chania, Crete, Greece		Keynote Lecture: The Holon Institute of Technology multidisciplinary school
*25/2/2022	Online Marie Cure Alumni Association – MCAA Greece Chapter Winter Meeting		Invited Keynote Lecture: The multidisciplinary grid – A new view of academia
18-20/11/2020	International Week dedicated to the 120 years of National University "Zaporizhzhia" Polytechnic, Ukraine		Invited Lecture: Speech processing for intelligent systems
18-22/3/2019	The International Days 2019, Ku Leuven, Campus de Nayer, Belgium	<ul style="list-style-type: none"> • New Language and Disruptive Communication • Speech Processing for Intelligent Systems 	Keynote Lecture (oral presentation and seminar)

* Since last promotion

7b. Invited Guest Lectures Abroad, contd.

Date	Place of Lecture	Name of Forum	Presentation/Comments
27-28/8/2018	International Conference on Smart Systems (ICSS 2018), Ajeenkya D Y Patil University, India		Invited Keynote Lecture: Conversational interactions in the digital era – Are we ready?
2018	Thomas More University of Applied Sciences, Mechelen, Antwerp, Belgium	Workshops on: <ul style="list-style-type: none"> • Natural Language Processing (NLP): Speech and Text Analytics • Avatars Virtual Agent & Bots 	Invited Keynote Lecture: The Future of Man-Machine Interfacing
21-27/5/2017	4th Erasmus Week on Modern Topics in Electronics and Applications, Technological Educational Institute of Crete, Chania, Crete, Greece		Invited Lecture: When technology meets market forces
30-31/1/2017	AVIOS Conversational Interaction Conference, San Jose, CA, USA		Invited Lecture: Usability testing for interactive agents

8. Research Grants**a. Grants Awarded**

Year	Funded by/ Amount	Topic	Co-Researchers	Role in Research
*11/8/2023-31/7/2026	Erasmus+ programme/ €12,000	KA 171	<ul style="list-style-type: none"> • HIT, Israel • FH Joanneum – University of Applied Sciences, Austria 	Staff Leader
*2023-2026	Erasmus+ programme	Key Action I	<ul style="list-style-type: none"> • HIT, Israel • Thomas Moore University, Belgium 	Staff Leader
*2023	Erasmus+, European Commission/ €500,000 for three years	IMPACT 101112063 – GAP 101112063 Inter-Mediterranean Race and Collaboration	<ul style="list-style-type: none"> • Israel • Greece • Italy • Slovenia • Morocco 	Project Manager

* Since last promotion

8. Research Grants, contd.**a. Grants Awarded**

Year	Funded by/ Amount	Topic	Co-Researchers	Role in Research
*2/2022	Council for Higher Education of Israel/ NIS 600,000	Grant: Implementation of the reform at HIT: Professional development programs, digital study materials, linguistic laboratory, developing EFL and EMI infrastructure	<ul style="list-style-type: none"> • Mr. Motti Mishan • Dr. Olga Gupol • Prof. Hashem Zoubi 	Program Head
2020	Erasmus Project/ €130,000	Grant - Staff and Student Exchange Program	<ul style="list-style-type: none"> • HIT, Israel • Artesis Plantijn University College of Antwerp (AP Science and Technology), Belgium • Thomas More University of Applied Sciences, Flanders, Belgium • De Nayer (Sint- Katelijne-Waver) Campus, Belgium 	Staff Leader
2019	Erasmus Project ^⑥ / €70,000	Grant - Lecture and Student Exchange Program	<ul style="list-style-type: none"> • HIT, Israel • Artesis Plantijn University College of Antwerp (AP Science and Technology) 	Staff Leader
2018	Erasmus Project ^⑥ / €65,000	Grant - Lecture and Student Exchange Program	<ul style="list-style-type: none"> • HIT Israel • Thomas More University of Applied Sciences, Flanders, Belgium 	Staff Leader

9. Scholarships, Awards and Prizes

2022-2023	Excellence in research, teaching, and contribution to the institute and the community - HIT – Holon Institute of Technology, Holon, Israel
*2024	Recognition of Global Partnership on AI (GPAI) challenge
*23/4/2023	Honored with a special award - Project Voice Women's Summit ^⑦ , Chattanooga, TN, USA
2021-2022	Excellence in research, teaching, and contribution to the institute and the community - HIT – Holon Institute of Technology, Holon, Israel

* Since last promotion

⑥ **EuRopean Community Action Scheme for the Mobility of University Students – European Union (EU) Student Exchange Program**

⑦ **Declared one of Women Leaders of Conversational AI Class of 2023.** Each of these women leaders is invited to attend the Project Voice Women's Summit. Each woman will be recognized and honored with a special award.

9. Scholarships, Awards and Prizes, contd.

2020-2021	Excellence in research/creativity, teaching, and contributing to the community - HIT – Holon Institute of Technology, Holon, Israel
12/2018	IBM 100 – Pioneering Speech Recognition Award for contribution to the significant advancements in this field
2017-2018	Excellence in teaching, research, creativity, and contributing to the institute and the community - HIT – Holon Institute of Technology, Holon, Israel
2016-2017	Excellence in contributing to the institute and the community - HIT – Holon Institute of Technology, Holon, Israel
2015-2016	Excellence in contributing to the institute and the community - HIT – Holon Institute of Technology, Holon, Israel
2014-2015	Excellence in contributing to the institute and the community - HIT – Holon Institute of Technology, Holon, Israel
2013-2014	Excellence in research/creativity, teaching, and contribution to the community – HIT – Holon Institute of Technology, Holon, Israel
1994	Status of "returning scientist" - The Ministry of Aliyah and Immigrant Absorption, Israel

10. Teaching**a. Courses Taught in Recent Years at HIT**

Year	Name of Course	Type of Course Lecture/Seminar/ Workshop/High Learn Course/ Introduction Course (Mandatory)	Degree	Number of Students
*2022-2024	NLP Processing	PBL lecture	M.Sc. (Data Science)	40
2021-2022	Design AI Applications	PBL lecture	M.A. (Instructional Technologies)	20
2020-2024	When Technology Meets Market Forces	Lecture (in English)	Undergraduate Multidisciplinary Studies	40
2019-2024	Speech Processing for Intelligent Systems	PBL lecture	B.Sc. (Computer Science)	
2017-2024	UI-UX Interfaces	Lecture	B.Sc. (Computer Science)	30
2017-2018	Social Robots	PBL lecture	Undergraduate Multidisciplinary Studies	40
2017-2018	Young Linguists (social intervention course)	PBL lecture	Undergraduate Multidisciplinary Studies	40

* Since last promotion

10. Teaching, contd.**a. Courses Taught in Recent Years at HIT**

Year	Name of Course	Type of Course Lecture/Seminar/ Workshop/High Learn Course/ Introduction Course (Mandatory)	Degree	Number of Students
2016-2022	Multimodal Interfaces MMI	PBL lecture	B.A. (Instructional Technologies)	30
2015-2024	Wearable Computing – Industry Challenge	PBL lecture	Undergraduate Multidisciplinary Studies	40
2015-2020	Natural Language Processing	PBL lecture	B.Sc. (Computer Science)	30
2013-2017	Technology Development and Markert Forces for Electrical Engineering	Lecture	B.Sc. (Electrical & Electronics Engineering)	40
2013-2016	NLP Algorithms and Methods	PBL lecture	B.Sc. (Electrical & Electronics Engineering)	40

b. Supervision of Graduate Students**Graduate Students at HIT**

Name of Student	Title of Topic	Degree/ Thesis	In progress	Students' Achievements
*Saar Bernstein	Extracting biometric features from children's speech for automatic speaker recognition systems	Thesis [Ⓢ]	2023	Graduated with honors
*Gal Shemesh	Hebrew prosodic features characterization	Thesis [Ⓢ]	2023	Graduated with honors

* Since last promotion

Ⓢ The two projects are in speech processing and use of algorithms in machine learning for building models (one in Computer Science and one in Electrical Engineering).

11. Miscellaneous

a. Membership in Professional Societies

- 2019-present Israel's Directors Union (IDU) – Innovation and Entrepreneurship Committee
- 2009-present SpeechTEK Europe Advisory Board
- 2005-2021 Chairman – AVIOS Israel Local Chapter
- 2005-2021 Board Member – AVIOS (Applied Voice Input Output Society)
- 2000 Board Member – Forum for Women in Hi-Tech and Biotechnology
- 1999 Israel Parliament Committee for SMART ID (formal nomination)

12. Professional Experience

- 2009-2021 Founder and Chief Executive Officer – Brit Business Technologies Ltd. (BBT), Israel
- 2007-2009 Manager – IBM, CRM (Customer Relationship Management and Call Center Division), Israel
- 2004-2007 Call Center Project: Manager and Consultant – Independent consulting
- 2001-2004 Vice President – Quasar Communication Systems Ltd., Israeli division, Rehovot, Israel
- 1999-2001 Vice President - Switch Communications Ltd., Department of Marketing, Sales and Business Development (Israeli division), London, UK
- 1996-1999 Head – IBM, Smart Card (Israeli division), Israel
- 1994-1996 Research position – Audio Video Group, IBM Research Lab., Multimedia Division, Israel
- 1993-1994 Researcher: Team Leader - NYNEX Corp. Science Technology, Department of Speech Recognition and Language Understanding Group, New York, USA
- 1991-1993 Researcher – AT&T Bell Laboratories, The Linguistic Research Group, New Jersey, USA

PUBLICATIONS

Dr. Nava Shaked has an h-index of 5 (Google scholar)

A. Ph.D. Dissertation

“The Treatment of Phrasal Verbs in NLP System”, 1994 (220 pages) in English, The Graduate Center, CUNY – The City University of New York, New York, USA. Supervisors: Prof. Virginia Teller; Prof. Martine Chadorow

B. Edited Books

Published

1. L. Bigon, **N. Shaked** (Eds.) (2021)[Ⓞ]
The arts of the grid: Interdisciplinary insights on gridded modalities in conversation with the arts
Walter de Gruyter GmbH, Berlin, Germany
November 2021 (288 pages)
<https://doi.org/10.1515/9783110733228>
2. **N.A. Shaked**, U. Winter (Eds.) (2016)[Ⓞ]
Design of multimodal mobile interfaces
De Gruyter, April 2016 (221 pages)
ISBN: 978-1-5015-0274-3 [**invited**]
Scopus citations: 4
[Google scholar citations: 6]

D. Articles in Refereed Journals (ranked by either WoS or SCImago)

Published

- *1. H. Friman, I. Banner, Y. Sitbon, L. Sahar-Inbar, **N. Shaked** (2024)
Experiential learning for sustainability: A catalyst for global change
Educational Administration: Theory and Practice, 30(5), (8508-8514)
SCImago: Q4; h-index: 7
[Google scholar citation: 2]
- *2. G. Kurtz, M. Amzalag, **N. Shaked**, Y. Zaguri, D. Kohen-Vacs, E. Gal, G. Zailer, E. Barak-Medina (2024)
Strategies for integrating generative AI into higher education: Navigating challenges and leveraging opportunities
Education Sciences, 14(5), May 2024, 503
<https://doi.org/10.3390/educsci14050503>
WoS: Q1; IF: 2.6 (2023); JCR citations: 47
SCImago: Q2; h-index: 53; Scopus citations: 68
[Google scholar citations: 130]
- *3. H. Friman, I. Banner, Y. Sitbon, L. Sahar-Inbar, **N. Shaked** (2024)
Nurturing eco-literate minds: Unveiling the pathways to minimize ecological footprint in early childhood education
Social Sciences, 13(4), March 2024, (187)
<https://doi.org/10.3390/socsci13040187>
WoS: Q2; IF: 1.7 (2023)[⊛]; JCR citation: 1
SCImago: Q2; h-index: 42; Scopus citation: 1
[Google scholar citations: 8]

* Since last promotion

⊛ Five-year Impact Factor – N/A

Ⓞ Equal contribution

2022 Five-year Impact Factor unless otherwise stated

D. Articles in Refereed Journals (ranked by either WoS or SCImago), contd.**Published**

- *4. H. Friman, I. Banner, Y. Sitbon, Y. Einav, **N. Shaked** (2022)Ⓣ
 Preparing the public opinion in the community to accept distributed energy systems and renewable energy
Energies, 15(12), June 2022, (4226)
 WoS: Q3; IF: 3.3; JCR citations: 12
 SCImago: Q1; h-index: 132; Scopus citations: 13
 [Google scholar citations: 15]
5. N.A. Shaked (2017)
 Avatars and virtual agents – Relationship interfaces for the elderly
Healthcare Technology Letters, 4(3), (83-87)
 WoS: Q3; IF: 2.6; JCR citations: 45
 SCImago: Q2; h-index 24; Scopus citations: 63
 [Google scholar citations: 95]

E. Chapters in Scientific Books**Published**

- *1. H. Friman, N. Matsliah, Y. Sitbon, I. Banner, Y. Einav, **N. Shaked** (2022)Ⓣ
 Renewable energy by remote and online laboratories
 In: *New Realities, Mobile Systems and Applications. IMCL 2021*
 M.E. Auer, T. Tsiatsos (Eds.)
 Lecture Notes in Networks and Systems, Vol.411, (833-843)
 Springer, Cham.
https://doi.org/10.1007/978-3-030-96296-8_75
 [Google scholar citation: 1]
2. **N. Shaked** (2021)
 The linguistics relation in the virtual grid: A digital dialogue
 In: *The Arts of the Grid: Interdisciplinary Insights on Gridded Modalities in Conversation with the Arts*
 L. Bigon, N. Shaked (Eds.)
 De Gruyter, Ch. 12, (177-192)
3. L. Bigon, **N. Shaked** (2021)Ⓣ
 Introduction – The arts of the grid: Interdisciplinary insights on gridded modalities in conversation with the arts
 In: *The Arts of the Grid: Interdisciplinary Insights on Gridded Modalities in Conversation with the Arts*
 L. Bigon, N. Shaked (Eds.)
 De Gruyter, Ch. 1, (1-21)
4. **N. Shaked**, D. Artelt (2016)Ⓣ
 The use of multimodality in avatars and virtual agents
 In: *Design of Multimodal Mobile Interfaces*
 N. Shaked, U. Winter (Eds.)
 De Gruyter, Ch. 6, (125-144)
 Scopus citations: 2
 [Google scholar citations: 3]

* Since last promotion

Ⓣ Equal contribution

Ⓣ According to order of contribution

2022 Five-year Impact Factor unless otherwise stated

E. Chapters in Scientific Books, contd.**Published**

5. **N. Shaked**, U. Winter (2016)^①
Introduction to the evolution of mobile multimodality
In: *Design of Multimodal Mobile Interfaces*
N. Shaked, U. Winter (Eds.)
De Gruyter, Ch. 1, (1-18)

F. Articles in Conference Proceedings**Refereed - Accepted for presentation**

1. **N. Shaked** (2020)
'Hera', The avatar for pregnant women
Spechtek 2020[Ⓞ]
Washington, DC, USA, 27-29 April 2020

Refereed – Published

- *2. M. Lourakis, **N. Shaked**, G. Kakavelakis, Z. Petropoulou, E. Mizrahi, S. Zeid, K. Petridis (2025)
Virtual exchanges and blended intensive programs: Pathways for individual and institutional development
Proc. 2025 6th Int'l. Conf. in Electronic Engineering & Information Technology (EEITE)
Chania, Crete, 4-6 June 2025
- *3. A. Kaliakatos, **N. Shaked**, E. Schmueli, E. Mizrahi, G. Kakavelakis, E. Lourakis, K. Petridis (2025)
The use of AI for scientific writing: The student and researchers' perspective
Proc. 2025 6th Int'l. Conf. in Electronic Engineering & Information Technology (EEITE)
Chania, Crete, 4-6 June 2025
- *4. L. Sahar-Inbar, **N. Shaked** (2023)^①
TLM (Three Layers Methodology) model facing multidisciplinary education
Proc. END 2023 – Int'l. Conf. on Education and New Developments
Lisbon, Portugal, 24-26 June 2023 (158-162)
<https://doi.org/10.36315/2023v1end034>
- *5. **N. Shaked**, E. Rabin (2023)^①
Artificial intelligence – The use of AI technologies to leverage educational processes and teaching challenges
Proc. 18th Chais Conf. for the Study of Innovation and Learning Technologies: Learning in the Digital Era
The Open University of Israel, Ra'anana, Israel, 22 February 2023
- *6. H. Friman, I. Banner, Y. Sitbon, Y. Einav, **N. Shaked** (2022)^②
Education as a green solution for reducing the ecological footprint
15th Annual Int'l. Conf. of Education, Research and Innovation (ICERI 2022)
Seville, Spain, 7-9 November 2022 (478-483)
- *7. H. Friman, I. Banner, G. Konforty, M. Zarmati, Y. Sitbon, Y. Einav, **N. Shaked** (2022)^②
The development of environmental education in order to prepare community members for renewable energy, ecology, and sustainability
25th Int'l. Conf. on Interactive Collaborative Learning (ICL 2022)
Hilton Park Vienna, Austria, 27-30 September 2022 (1362-1371)

* Since last promotion

① Equal contribution

② According to order of contribution

Ⓞ Spechtek 2020 did not take place due to flying restrictions during the Corona Virus Pandemic

F. Articles in Conference Proceedings, contd.**Refereed – Published*****8. N. Shaked (2022)**

Conversational interaction: A new look at HMI
Int'l. Sym. on Ambient Intelligence and Embedded Systems (AmiEs-2022)
Antwerp, Belgium, 14-17 September 2022

***9. H. Friman, G. Konforty, M. Zamati, Y. Sitbon, I. Banner, Y. Einav, N. Shaked (2022)Ⓢ**

Prepare public opinion and remove barriers to intelligent energy use
Proc. EDULEARN22 – 14th Int'l. Conf. on Education and New Learning Technologies
Palma, Spain, 4-6 July 2022 (9-15)

10*. ח. פרימן, י. בנר, י. סיטבון, י. עינב, נ. שקד (2022)

אזרחות מעורבת לשימוש מושכל באנרגיה וקיימות
ספר הכנס ה-19 לחינוך סביבתי: חוסן ויזמות סביבתית-חינוכית בעידן של שינויי האקלים – מודל הביגלה כמצפן ערכי
המכללה האקדמית בית ברל
כפר סבא, ישראל, 6 ליוני 2022

H. Friman, I. Banner, Y. Sitbon, Y. Einav, N. Shaked (2022)Ⓢ

Involved citizenship for intelligent use of energy and sustainability
The 19th Environmental and Sustainability Education Conf.:
Environmental Education for Resilience in Times of Climate Change –
The Doughnut Model as a Guiding Compass
Beit Berl College, Kfar Saba, Israel, 6 June 2022

11. H. Friman, N. Matsliah, Y. Sitbon, I. Banner, Y. Einav, N. Shaked (2021)Ⓢ

Development of sustainable citizenship of the individual online
14th Annual Int'l. Conf. on Education, Research and Innovation (ICERI 2021)
8-9 November 2021 (0512-0517)
ISBN: 978-84-09-34549-6

12. נ. שקד, ל. סהר-ענבר, ג. פלג, ב. איינהורן, ה. אייל (2021)

הערכת למידה מקוונת: מתודולוגיה למשוב עמיתים בסביבה רב-תחומית
ספר הכנס השישה-עשר לחקר חדשנות וטכנולוגיות למידה ע"ש צ'ייס: האדם הלומד בעידן הדיגיטלי
א. בלאו, א. כספי, י. עשת-אלקלעי, נ. גרי, י. קלמן, ת. לוטרמן (עורכים)
האוניברסיטה הפתוחה, רעננה, ישראל, ב 16 לפברואר 2021 (71E-60E)

N. Shaked, L. Sahar-Inbar, G. Peleg, B. Einhoren, H. Eyal (2021)Ⓢ

Assessing online teaching: A peer-review methodology in a multidisciplinary setting
Proc. 16th Chais Conf. for the Study of Innovation and Learning Technologies: Learning in the
Digital Era
I. Blau, A. Caspi, Y. Eshet-Alkalai, N. Geri, Y. Kalman, T. Lauterman (Eds.)
The Open University of Israel, Ra'anana, Israel, 16 February 2021 (60E-71E)

13. N. Shaked (2016)

Technological and design challenges of multimodal user interfaces
SpeechTEK 2016
New York, USA, 23-25 May 2016

14. N. Shaked (2014)

Challenges for multimodal user interfaces
SpeechTEK 2014
New York, USA, 18-20 August 2014

15. N. Shaked (2014)

Testing methodology best practices for speech applications
SpeechTEK 2014
New York, USA, 18-20 August 2014

* Since last promotion

Ⓢ According to order of contribution

F. Articles in Conference Proceedings, contd.**Refereed – Published**

16. **N. Shaked** (2013)
Speech testing methodologies and best practices
SpeechTEK 2013
New York, USA, 19-21 August 2013
17. **N. Shaked** (2012)
What is so special about testing speech applications?
SpeechTEK 2012
New York, USA, 13-15 August 2012
18. **S. Ahlén, N. Shaked** (2011)
Hola! Bonjour! Shalom! Are you ready? Challenges in designing and
deploying multilingual speech applications
SpeechTEK Europe 2011
London, UK, 24 May 2011
19. **N. Shaked** (2010)
Challenges and interface design and voice-based applications
Speech Recognition Day
Afeka, Tel-Aviv, Israel, 8 June 2010
20. **N. Shaked** (2010)
Multilingual speech applications: When to use them and how to design them
SpeechTEK Europe 2010 Conf. and Exhibition
London, UK, 26-27 May 2010
21. **N. Shaked** (2009)
Multilanguage speech systems – What's the right way to go
Proc. Applied Voice Input/Output Society (AVIOS) Conference
Israel, 14 October 2009
22. **N. Shaked, C. Leathem** (2009)
How to approach a multilingual system design
SpeechTEK 2009
New York, USA, 24-26 August 2009
23. **N. Shaked** (2008)
Planning for speech
SpeechTEK 2008
New York, USA, 18-20 August 2008
24. **N. Shaked** (2008)
Challenges of speech solutions in call centers
Speech Technologies Seminar 2008
Haifa, Israel, 2 July 2008
25. **O. Hertz, N. Shaked** (2007)[Ⓢ]
Using focus groups to guide VUI design
SpeechTEK 2007
New York, USA, 20-23 August 2007

Ⓢ Equal contribution

F. Articles in Conference Proceedings, contd.**Refereed – Published**

26. **N. Shaked**, C. Leathem (2007)
Positioning speech applications for success
SpeechTEK 2007
New York, USA, 20-23 August 2007
27. **N. Shaked** (2006)
Globalization of speech applications
SpeechTek West Conf.
San Francisco, USA, 30 January-1 February 2006
28. R. Hoory, **N. Shaked**, D. Chazan (1996)
Building a speech database for the purpose of speaker specific speech synthesis
Proc. IEEE 3rd Int'l. Conf. on Signal Processing (ICSP '96)
Yuan Baozong, Tang Xiaofang (eds.)
Beijing, China, 14-18 October 1996, Vol.II (741-744)
29. **N. Shaked** (1993)
How do we count? The problem of tagging phrasal verbs in parts
31st Annual Meeting of the Association of Computational Linguistics
Columbus, Ohio, USA, June 1993 (289-291)
JCR citation: 1
[Google scholar citations: 5]

I. Other Publications**a. Magazines**

1. **N. Shaked** (2015)
Speech science in the era of big data
*Classical databases for speech are expensive and may lack diversity.
But there's a solution: the Internet*
The View from AVIOS
Speech Technology Magazine
Fall 2015 Issue [posted 7 August 2015]
2. **N. Shaked** (2013)
The role of speech analytics in VUI
Speech Technology Magazine
Fall 2013 Issue [posted 12 August 2013]
3. **N. Shaked** (2011)
Oh the places you'll go
Speech Technology Magazine
November/December 2011 Issue [posted 1 November 2011]
4. **N. Shaked** (2009)
One system, many languages
Speech Technology Magazine
September 2009 Issue [posted 27 August 2009]
5. **N. Shaked** (2007)
Focus groups can optimize speech applications
Speech Technology Magazine
November/December 2007 Issue [posted 1 November 2007]

H. Other Scientific Publications, contd.**a. Abstracts**

1. **N. Shaked** (2017)
When technology meets market forces
4th Erasmus Week on Modern Topics in Electronics and Applications
Technological Educational Institute of Crete
Chania, Crete, Greece, 21-27 May 2017 [**invited**]
2. **N. Shaked** (2017)
Conversational interactions
AVIOS HIT – Annual Conf.
Holon, Israel, 28 March 2017
3. **N. Shaked** (2017)
Usability testing for interactive agents
AVIOS Conversational Interaction Conf.
San Jose, CA, USA, 30-31 January 2017 [**invited**]
4. **N. Shaked**, E. Aharonson (2014)
Mobile multimodality
The Afeka Conf. for Speech Processing
Tel-Aviv, Israel, 7-8 July 2014
5. **N. Shaked** (2013)
When mobile user interface meets market forces
Smart Customer Service J., 11 June 2013 [online]

b. Technical Memorandums

1. S. Basson, A. Kalyauswamy, E. Man, **N. Shaked**, S. Springer, D. Yashcin (1994)^③
Results of TAM real-user experiment
NYNEX Science & Technology, NY, USA
TM September 1994
2. **N. Shaked**, S. Basson (1994)^①
TAM Transcription conventions: A user manual
NYNEX Science & Technology, NY, USA
TM 94-0017, July 1994 (23 pages)
3. S. Basson, A. Kalyauswamy, E. Man, **N. Shaked**, S. Springer, D. Yashcin (1993)^③
Results of the friendly caller trail
NYNEX Science & Technology, NY, USA
TM 93-0046, June 1993
4. S. Basson, E. Man, E.K. Sam, **N. Shaked**, S. Springer, D. Yashcin (1993)^③
TAM wizard trial: Description and results
NYNEX Science & Technology, NY, USA
TM 93-0009, March 1993 (6 pages)

① Equal contribution

③ Equal contribution in alphabetical order

H. Other Scientific Publications, contd.

c. A Position Paper

- *1. G. Kurz (2023)
Higher education and Generative AI (GENAI) in Israel: Opportunities, challenges and recommendations
In collaboration with M. Amzalag, E. Barak-Medina, E. Gal, D. Kohen-Vacs, **N. Shaked**, G. Zailer, Y. Zaguri^③
The Faculty of Instructional Technologies, HIT, October 2023 (25 pages)

d. Patents

1. S. Belkin, N. Shaked (2014)
System and method for identifying that a human is under threat
Patent No.200219, Date of publication: 30 September 2014, Date of grant: 31 December 2014

e. Industry Reports

- *1. **N. Shaked** et. al. (2024)^④
Scaling responsible AI solutions: Building an international community of practice and knowledge-sharing
Report, November 2024, Global Partnership on AI
Published by OECD AI Policy Observatory and GPAI

I. Other Publications

a. Newsletters

- *1. **N. Shaked** (2025)
Responsible Artificial Intelligence: We need to discuss it and pave the way
People and Computers, DailyMaily
9 January 2025

* Since last promotion

④ Expert Mentors: Borys Stokalski, RETHINK; Anurag Agrawal, Ashoka University; Stéphanie Camaréna, Source Transitions; Caroline Gans Combe, INSEEC; Gilles Fayad, IEEE; Benjamin Larsen, World Economic Forum; Monica Lopez, ClfAI; Zümriit Muftuoglu, Digital Transformation Office of the Presidency of the Republic of Türkiye; Furukawa Naohiro, ABEJA, Inc.; Sandro Radovanović, University of Belgrade; **Nava Shaked, HIT Holon Institute of Technology**; Amitabh Nag, BHASHINI