InterPARES Summer School – Program

Symposium: Day 1 – Friday 7 July

Artificial Intelligence to support the ongoing availability and accessibility of trustworthy public records - an overview of InterPARES Trust AI

9:00   Gather and welcome

9:30   Luciana Duranti & Muhammad Abdul-Mageed, University of British Columbia
The Whys and Hows in "I Trust AI": Objectives, methods, expected outcomes

10:00   Jim Suderman, City of Toronto (ret.)
Clear values, murky responsibilities: considering the ethical pipeline of archival information and AI implementation

10:25   Umi Mokhtar, Universiti Kebangsaan Malaysia
AI for Records Classification

10:50   *Break*

11:15   Pat Franks, San Jose State University
Paradata: Documenting the AI Process for Transparency and Accountability

11:40   Michael Stiber, University of Washington, BothellMy
Paradata in Emergency Services Communications Systems

12:05   Peter Sullivan, University of British Columbia
Applying AI tools in Archival Functions

12:30   Lunch

14:00   Hugolin Bergier, Regis University
Intensional Logic in RiC-O

14:25   Emanuele Frontoni & Pierluigi Feliciati
AI for Multimedia understanding: from computer vision to deep learning

14:50   Sanja Seljan, University of Zagreb
Data Acquisition and Corpus Creation for Security-Related Domain

15:15   Moises Rockembach
AI literacy and the future of Records Management and Archives

15:40   Mariella Guercio & Stefano Allegrezza
"The use of AI in identifying or recreating archival aggregations: a survey on market solutions"

16:05   Questions
16:30   Adjourn

Speaker bios

Muhammad Abdul-Mageed - University of British Columbia

Dr Abdul-Mageed is a Canada Research Chair in Natural Language Processing and Machine Learning, and Associate Professor in the School of Information and Department of Linguistics (Joint Appointment), and Computer Science (Associate Member), at The University of British Columbia. His research is in deep learning and natural language processing, focusing on deep representation learning and natural language socio-pragmatics, with a goal to innovate more equitable, efficient, and 'social' machines for improved human health, safer social networking, and reduced information overload. Applications of his work currently span a wide range of speech and language understanding and generation tasks. He is director of the [UBC Deep Learning & NLP Group](), co-director of the SSHRC-funded [I Trust Artificial Intelligence](), and co-lead the SSHRC [Ensuring Full Literacy]() Partnership Grant. He is a founding member of the [Center for Artificial Intelligence Decision making and Action]() and a member of the [Institute for Computing, Information, and Cognitive Systems]().

Stefano Allegrezza - University of Bologna

Associate professor of "Archiving" and "Digital archiving" since 2016, Stefano Allegrezza is currently at the University of Bologna (previously at the University of Udine), and carries out his research in the field of archives and digital archiving. His research interests focus on issues related to the electronic management of documents, conservation of digital archives, in particular those of personal digital archives. He is the director of the "Personal Digital Memories" research center and directs the summer school in "Web and social media archiving and preservation". He is a member of the Council of the Alma Mater Research Institute for Human-Centered Artificial Intelligence (ALMA AI); of the Academic Board of the PhD in Humanism and Technologies (UmanTec); of the Governing Council of the Master in "Creation, management and conservation of digital archives", at the University of Macerata. He is a member of the Italian Association of University Teachers of Archival Sciences (AIDUSA) and of the Italian National Archives Association (ANAI).

Hugolin Bergier - Regis University

Dr. Hugolin Bergier is an Associate Professor in Computer Science at Regis University. Prior to joining Regis, he was an Assistant Professor at the Catholic University of the West in France and worked as a developer and research scientist for Phase Change Software, a company which specializes in artificial intelligence for program analysis. He still does consulting there as part of the R&D department. His work at Phase Change includes research work on intellectual property, patenting and the development of a prototype in Prolog and Haskell. Dr. Bergier has a PhD from Sorbonne University (Paris). His research interests revolve around logic, mathematics and theoretical computer science with focuses on computational linguistics and intensional logic. As part of InterPARES, Hugo Bergier is leading a study entitled "Logic-based intensional AI for the Record in Context ontology." The goal of this project is to add to the current system of archival records an AI capability focusing on logical reasoning. In the context of this project, Hugolin Bergier was invited to the Sorbonne Center for Artificial Intelligence as a visiting scholar during the summer of 2022.

Jason R. Baron - University of Maryland

Jason R. Baron is a Professor of the Practice in the College of Information Studies at the University of Maryland, with current research interests involving the capture of new forms of electronic communications used in the government, and the use of AI in improving access to public records. He previously served as the first Director of Litigation at the US National Archives and Records Administration, and before that as a trial attorney and senior counsel at the US Department of Justice, where he represented the Archivist of the US in litigation involving the preservation of White House electronic records. He was a co-founder of the National Institute of Standards and Technology' TREC Legal Track, and is a past winner of the Emmett Leahy Award.

Luciana Duranti - University of British Columbia

Dr. Luciana Duranti is since 1987 a Professor of archival theory, diplomatics, and digital records in the master's and doctoral archival programs of the School of Information of the University of British Columbia (UBC), in Vancouver, Canada, and, since 2011, Affiliate Professor at the University of Washington at Seattle, United States. Professor Duranti is Director of the UBC Centre for the International Study of Contemporary Records and Archives, and, since 1998, the Principal Investigator of the InterPARES research project. She has published extensively on archival and diplomatics theory and on the use of their concepts for understanding the products of new technologies. Since 2015, she is the Chair of the Canadian Government Standards Board committee for Electronic Records as Documentary Evidence.

Pierluigi Feliciati – University of Macerata

Archivist in the Italian National Archives from 1986 to 2007, Dr. Pierluigi Feliciati coordinated the Information Systems of the State Archives and the Web portal of the Italian Archives. He is an associate professor of Archival and Information Science at the University of Macerata, where he is the pro-rector for digital archives. In 2019, winter term II, he was visiting Professor at the information School of the University of British Columbia (Canada), winning the Dodson Visiting Scholarship. Since 2021 he leads the UniMC researchers of InterPARES Trust AI, member of the Research Steering Committee and coordinates the RA05 study on users' attitudes against archival digital services and AI tools. He is the co-editor of the JLIS.it journal, managing director of the "Capitale culturale" journal.

Patricia Franks - San Jose State University

Dr. Franks, Professor Emerita at San José State University, teaches courses in Enterprise Content Management and Digital Preservation. She is a Certified Archivist, Certified Records Manager, Information Governance Professional, and Certified Information Governance Officer, as well as a member of ARMA International's Company of Fellows. Franks is a member of the *CIGO Association Board of Director*s, a member of Preservica's *Digital Preservation Sustainability Council*, and the immediate past president of the National Association of Government Archivists and Records Administrators (NAGARA). Her research interests lie in emerging technologies, including artificial intelligence and blockchain distributed ledger technology, and their impact on records management and information governance.

Emanuele Frontoni – University of Macerata

Dr. Emanuele Frontoni is Full Professor of computer science at the University of Macerata and the Co-Director of the VRAI Vision Robotics & Artificial Intelligence Lab. His research interests include

computer vision and artificial intelligence, with applications in robotics, video analysis, human behavior analysis, extended reality and digital humanities. He is the author of over 250 international articles and collaborates with numerous national and international companies in technology transfer and innovation activities. He is also involved in several national and international technology transfer projects in the fields of AI, Deep Learning, data interoperability, cloud-based technologies, and big multimedia data analysis, extended reality and digital humanities. He served as expert for the EU Commission in the AI H2020 and Horizon Europe Calls and he is currently co-speaker of the European IPEI CIS (Important Project of Common European Interest - Cloud Infrastructure and Services) for the AI services of the next generation of European cloud – edge services.

Mariella Guercio - National Association of Archivists in Italy (ANAI)
Full professor of archival science and electronic records management at the University of Urbino (1998-2011) and at the University of Rome La Sapienza (2011-2017), Mariella Guercio has contributed to national and international initiatives for electronic recordkeeping and digital preservation and EU-funded collaborative projects and participated (from 2011 to 2022) to the ICA Programme Commission. In 2015 she was elected president of the National Association of Archivists. She is the author of articles and manuals on archival science, ERMS and digital preservation. At present she is the chair of the scientific committee of ANAI.

Umi Mokhtar - Universiti Kebangsaan Malaysia
Dr. Umi Asma' Mokhtar is a senior lecturer in information science at Universiti Kebangsaan Malaysia, Faculty of Information Science and Technology. Her areas of interest in research include electronic records management, function-based classification, information policy, and information security. Her articles have appeared in international and national periodicals, such as the International Journal of Information Management and the Records Management Journal. She is currently the Malaysian Team's lead researcher for the InterPARES Trust AI project.

Moises Rockembach - Federal University of Rio Grande do Sul
Dr. Moises Rockembach is Professor of Archival Science and Information Science at the Faculty of Librarianship and Communication at the Federal University of Rio Grande do Sul (Brazil). His expertise involves archives and records, digital transformation, digital preservation, digital ethics, platform studies, information science and digital humanities. He is research leader of the Research Group in Digital Preservation (Federal University of Rio Grande do Sul / Brazil). He is currently a Visiting Scholar at KU Leuven (Belgium), engaged in activities of the Mintlab (Meaningful Interactions Lab) and the KU Leuven Digital Society Institute.

Sanja Seljan, University of Zagreb
Dr. Sanja Seljan is a full professor-permanent tenure, researcher, consultant, and Ph.D. supervisor in the Faculty of Humanities and Social Sciences, University of Zagreb. Her research interests are related to AI development: big data and information extraction, Natural Language Processing (NLP), machine translation and CAT tools, chatbots, data analysis and visualization, business analytics, machine learning and eHealth. Currently, she is working in the domain of health, finance, law, pharmaceutics, visual identity and national branding.

Michael Stiber - University of Washington, Bothell

Michael Stiber is a Professor of Computing & Software Systems and Director of Cybersecurity Initiatives at the University of Washington Bothell. Prior to that, he was an Assistant Professor at the Hong Kong University of Science & Technology and a Research Assistant Professor at the University of California, Berkeley. He has also been a Visiting Associate Professor at the University of Florida and a Fulbright Scholar in the Institute of Physiology of the Czech Academy of Sciences. He earned his Ph.D. in Computer Science from the University of California, Los Angeles. His research lies at the intersection of computer science and complex systems.

Jim Suderman - City of Toronto
Jim Suderman recently retired from the position of Director of Information Access at the City of Toronto, where he oversaw the operations of the City's records management, archives, and information and privacy protection programs. Prior to that he was a Senior Archivist and the Coordinator of the Electronic Records Program at the Archives of Ontario. He has been a researcher in InterPARES 2 and 4, and is currently a co-investigator in InterPARES Trust AI (5).

Peter Sullivan - University of British Columbia
A doctoral student in the PhD program University of British Columbia School of Information, Peter has contributed in a substantial way to the writing of the research proposal for I Trust AI, and to the delivery of tutorials and workshops on AI for records. He provides support to various studies as needed. His doctoral research is on AI for archives.