InterPARES Trust AI

Public Symposium
"Smart" Archives?: Harnessing AI for Archival Excellence

Dubrovnik State Archives
Sponza Palace
Svetog Dominika 1, Dubrovnik, Croatia
June 21, 2024, 09:00 - 17:00
Registration at: https://bit.ly/ITrustAI-symposium-Dubrovnik

09:00 **Luciana Duranti**
Introducing InterPARES Trust AI

09:30 **Emanuele Frontoni**
From Appearance Based AI to Generative Cooperative AI in Archival Science: the PergaNet case study on Middle Age parchments

10:00 **Eng Sengsavang**
Experiments in AI-Assisted Metadata Enrichment and Diplomatic Analysis for UNESCO Audio Archives

10:30 **Victoria Lemiuex**
Balancing Act: Navigating the Nexus of AI, Privacy, and Accessibility in Archives using Privacy Enhancing Technologies

11:00 **Tracey Lauriault**
Will the real digital twin please stand up? Digital Twins and Archives

11:30 **Pierluigi Feliciati**
Tracking access and use of records: towards a conceptual model

12:00 BREAK

13:30 **Jim Suderman**
Old problem, New problem: Privacy Protection and AI

14:00 **Hrvoje Stancic**
Using archival image collections to train AI

14:30 **Sanja Seljan**
Harnessing Health Open Data for Project Planning (Edu-Fit)

15:00 **Michel Barbeau**
Veracity and truth discovery of multimedia data

15:30 **Muhammad Abdul-Mageed**
Latest news from the UBC-NLP lab

16:15 Questions and discussion

16:45 Adjourn

Speaker Bios

Muhammad Abdul-Mageed – University of British Columbia, Canada
Muhammad 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.

Michel Barbeau – Carleton University, Canada
Michel Barbeau is a professor of Computer Science. He got a Bachelor's (Universite de Sherbrooke, Canada '85), a master's and a Ph.D. in Computer Science (Universite de Montreal, Canada '87 & '91. From '91 to '99, he was a professor at Universite de Sherbrooke. During the '98-'99 academic year, he was a visiting researcher at the University of Aizu, Japan. Since 2000, he has worked at Carleton University, School of Computer Science, Canada. His main topic of expertise is computer networks: architecture and protocols. Specific research interests include underwater communications and networks, flying drone networks, quantum networks and network control systems. Michel Barbeau is the director of the School of Computer Science at Carleton University.

Luciana Duranti – University of British Columbia, Canada
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, Italy
Archivist in the Italian National Archives from 1986 to 2007, Pierluigi Feliciati coordinated the Information Systems of the State Archives and their first Web portal. He is an associate professor of Archival and Information Science at the University of Macerata, where is the pro-rector for digital archives. In 2019 he was a visiting Professor at the Information School of the University of British Columbia (Canada), winning the Dodson Visiting Scholarship. He leads the UniMC research group of InterPARES Trust AI, is a member of the Research Steering Committee and coordinates two Reference and Access studies. He is the co-editor of the JLIS.it journal.

Emanuele Frontoni – University of Macerata, Italy
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.

Tracey P. Lauriault – Carleton University, Canada
Dr Tracey P. Lauriault is Associate Professor, Critical Media and Big Data, School of Journalism and Communications, Faculty of Public Affairs, Cross Appointed to Digital Humanities, and board member of the Institute for Data Science at Carleton University in Ottawa, Ontario, Canada. She is one of the founders of the field critical data studies, part of the group that spearheaded open data in Canada, and she developed the concept of Open Smart Cities. Ongoing research involves data preservation, digital twins, smart cities, data brokers and indigenous data governance. As a publicly engaged scholar, she mobilizes her research into data and technology policy across sectors. As a data and technological citizen, she examines large and small data and technology systems with the hope of making them more just, inclusive, equitable and environmentally sustainable. https://orcid.org/0000-0003-1847-2738

Victoria Lemieux – University of British Columbia, Canada
Victoria is an experienced and multidimensional academic, technology leader, and innovator. She currently holds a position as Professor of Archival Science at the University of British Columbia's School of Information, an affiliated faculty position in UBC's Department of Electrical and Computer Engineering, Faculty of Applied Science, and is a member of UBC's Institute for Computing, Information and Cognitive Systems. She is also founder and co-lead of Blockchain@UBC, the University of British Columbia's multidisciplinary blockchain research cluster. Her academic research focuses on risk to the availability of trustworthy records and how these risks impact upon transparency, financial stability, public accountability, and human rights. Victoria currently sits on the International Standards Organization's Technical Committee 307 (blockchains and distributed ledgers). She holds a doctorate from University College London (Archival Studies, 2002) and, since 2005, has been a Certified Information Systems Security Professional (CISSP). She is the winner of the 2015 Emmett Leahy Award for outstanding contributions to the field of records management, a 2015 World Bank Big Data Innovation Award and 2020 Blockchain Ecosystem Leadership Award. In 2020 she also was named one of Canada's Top 20 women in IT Security, and has twice been named a Sauder School of Business Distinguished Scholar. She is the author and editor of award-winning articles and books, including Financial Analysis and Risk Management: Data Governance, Analytics and Life Cycle Management (Springer, 2012); Building Trust in Information – Perspectives on the Frontiers of Provenance (Springer, 2016), Building Decentralized Trust – Multidisciplinary Perspectives on the Design of Blockchains and Distributed Ledgers (Springer, 2020), and Searching for Trust: Blockchain Technology in an Age of Disinformation (Cambridge University Press, 2022).

Sanja Seljan – University of Zagreb, Croatia
Sanja Seljan, Ph.D. is a full prof., permanent tenure, in Information and Communication Sciences, employed at the University of Zagreb-Faculty of Humanities and Social sciences, guest lecturer at several universities from undergraduate to Ph.D. levels. She is a member of the Faculty council, former Deputy Head of the Department and former Head of Chair for Informatics, was a board member of the National Scientific Committee for Information and Communication Sciences. Author of more than 100 research and professional papers, supervisor of more than 150 undergraduate and graduate thesis, supervisor of 15 doctoral thesis, co-editor or 8 publications. Her research interests are natural language processing (NLP) and text mining, machine translation and language applications, data analytics and visualization, machine learning and AI applications in specific domains.

Eng Sengsavang – UNESCO, Paris, France
Eng Sengsavang is Reference Archivist at UNESCO Archives. She holds dual Masters degrees in Archives and Information Studies from the University of British Columbia. She is co-editor with Jens Boel of Recordkeeping in International Organizations: Archives in Transition in Digital, Networked Environments (Routledge, 2021).

Hrvoje Stančić – University of Zagreb, Croatia
Dr. Hrvoje Stančić is Vice-dean for organization and development, and full professor at the Faculty of Humanities and Social Sciences, University of Zagreb, where he teaches in the Department of Information and Communication Sciences at undergraduate, graduate and postgraduate levels. He has been Chair of archival and documentation sciences at the same Department since 2008. In the context of the 4th InterPARES project (2013-2019) he was Director of the European research team where he led a blockchain-related research study. At the Croatian Standards Institute, he is President of the mirror technical committee for development of ISO/TC 307 Blockchain and Distributed Ledger Technologies standard. In October 2021 he was awarded a bronze medal at the 19th International Innovation Exhibition for his innovation *TrustChain – A System for Preservation of Trustworthiness of the Digitally Signed Documents*. In 2022 he was awarded a silver medal at the 19th International Innovation Exhibition for his innovation *Blockchain-based diploma authentication system*. He is editor of the book Trust and Records in an Open Digital Environment (Routledge, 2021).

Jim Suderman – City of Toronto, Canada
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).