"Fostering Artificial Intelligence, Business and Sustainable Innovation for the Benefit of Humanity"

Smart Tools, Methods and Applications in Computing, Energy, Business, and Health

Online & Oklahoma City, OK, USA

Tentative Program Draft

April 3, 2024
Central Time, Oklahoma, USA

Message from The OkIP Secretariat

We thank all those Program Committee Members, Authors, Keynote & Invited Speakers, Reviewers, Staff, and Participants who contributed to this event. The program is on a universal 24-hour clock format [00:00-23:00].

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Oklahoma International Publishing, USA
2024 Spring OkIP Academia & Industry Convention

Conference Start Day and Time Per Time Zones

The program is on a universal 24-hour clock format [00:00-23:00] starting at the below time, depending on your geographical location.

City/Region/Country	Time Zone	Day	Conference Start Time
Oklahoma City, OK, USA	CST (UTC -6)	Wed, Apr 03, 2023	09:00
London, United Kingdom	GMT (UTC +0)	Wed, Apr 03, 2023	15:00
Tokyo, Japan	JST (UTC +9)	Thu, Apr 05, 2023	00:00
New Delhi, India	IST (UTC +5:30)	Wed, Apr 03, 2023	21:30
Douala, Cameroon	WAT (UTC +1)	Wed, Apr 03, 2023	16:00
Montréal, Canada	EST (UTC -5)	Wed, Apr 03, 2023	10:00
Clemson, SC, USA	EST (UTC -5)	Wed, Apr 03, 2023	10:00
Eupen, Belgium	CET (UTC +1)	Wed, Apr 03, 2023	16:00
San Diego, CA, USA	PST (UTC -8)	Wed, Apr 03, 2023	07:00
Beijing, China	CST (UTC +8)	Wed, Apr 03, 2023	23:00
Awasa, Ethiopia	EAT (UTC +3)	Wed, Apr 03, 2023	18:00
Rio de Janeiro, Brazil	BRT (UTC -3)	Wed, Apr 03, 2023	12:00
Islamabad, Pakistan	PKT (UTC +5)	Wed, Apr 03, 2023	20:00
Baghdad, Iraq	AST (UTC +3)	Wed, Apr 03, 2023	18:00
Bucharest, Romania	EET (UTC +2)	Wed, Apr 03, 2023	17:00
Moscow, Russia	MSK (UTC +3)	Wed, Apr 03, 2023	18:00

2024 Spring OkIP Conference

"Smart Tools, Methods & Applications in Computing, Energy, Business, and Health"
Tentative Program

Wednesday, April 03, 2023, US Central Time

	Wednesday, April 03, 2023
08:30 - 08:55	**Individual Zoom Testing and Configuration**

08:55 - 09:00	**Welcome Message**

	#Artificial Intelligence in the Healthcare Industry
09:00 - 10:20	Session Co-Chairs • Franklin Lartey, Cox Communications, USA# • Jeffrey Wilson, OGE Energy Corp & IEEE OKC, USA+

	Academia Keynote/IEEE OKC Distinguished Speaker
09:00 - 10:00	**#+ AI Revolution in the Healthcare Enterprise** Ram D. Sriram, PhD National Institute of Standards and Technology, USA

	#Reducing Errors in Electronic Medical Records
10:00 - 10:20	• Lynda Sellami, University of Burgundy • Khaled Sellami, University of Bejaia • Piere F. Tiako, CITRD Lab, Oklahoma City

10:20 - 11:20	**+Machine Learning in Business, Computing and Society** Session Co-Chairs • Nesreen Alsbou, University of Central Oklahoma & IEEE OKC, USA# • Izzat Alsmadia, Texas A&M University San Antonio, USA* • Mike Banad, University of Oklahoma & IEEE OKC, USA+

10:20 - 10:40	**#Using Artificial Intelligence (AI) and Machine Learning (ML) to Disrupt the Negative Impact of Disinformation on Digital Sovereignty and Social Stability Through Cognitive Security in Elections** • Joseph Squillace, Penn State University, Schuylkill • Justice Cappella, Penn State University, Schuylkill

10:40 - 11:00	**+Rating Agreement: Machine Learning and a Format for ESG Disclosure** • Nico Rosamilia, Politecnico di Milano

11:00 - 11:20	***Exploring Vulnerabilities: An In-Depth Analysis of Security Weaknesses Leading to Dark Web Exposure and Improved Security Defenses Using Artificial Intelligence (AI) & Machine Learning (ML)** • Joseph Squillace, Penn State University, Schuylkill • Justice Cappella, Penn State University, Schuylkill • Andrew Sepp, Penn State University, Schuylkill • Joan Young, Penn State University, McKeesport

Wednesday, April 03, 2023

11:20 - 12:00	**+Renewable Energy Applications and Perspectives** Session Co-Chairs • Ammar Natsheh, Dubai Women's College+ • Ziho Kang, University of Oklahoma & IEEE OKC, USA*

11:20 - 11:40	**+Origin and Interests of Geothermal Energy** • Ange Merveille Meguedong Guedia, University of Yaounde I • Dieudonne Bisso, University of Yaounde I • Pierre Tiako, CITRD Lab Oklahoma City • Serge Koah, University of Yaounde I

11:40 - 12:00	***Strategic Energy Management System for Improving the Power Quality of PV-Wind-Battery-based Standalone Microgrids** • Wulfran Fendzi Mbasso, University of Douala • Harrison Ambe, University of Buea • Serge Raoul Dzonde Naoussi, University of Douala • Emmanuel Fendzi Donfack, University of Douala • Saatong Kenfack Tsobze, University of Douala • Reagan Jean Jacques Molu, University of Douala

~~11:40~~ - ~~12:00~~	**#Debt as Catalyst: Empowering Renewable Energy in Developing Countries** • Deepak Kushawaha, Indira Gandhi Institute of Development Research, Mumbai

~~11:40~~ - ~~12:00~~	**#Decoding Arctic Visions: Exploring Energy Transition Narratives through Mayoral Insights using NLP** • Fatma Ahmed, University of Saskatchewan • Greg Poelzer, University of Saskatchewan

12:00 - 01:00	**#Computing, Power and Energy** Session Co-Chairs • Tom Jobe, BioInSpire LLC, Oklahoma & IEEE OKC, USA# • Robert Scolli, Southwestern Bell/AT&T (Ret.) & IEEE OKC, USA* • David Schvartzman, University of Oklahoma & IEEE OKC, USA+
12:00 - 12:20	**#Experimental Study of Parallel-Connected DC-DC Buck-Boost Converters FPGA Chaos Controlled** • Ammar Natsheh, Dubai Women's College • Thanh Hai Nguyen, Dubai Women's College • Preetha Sreekumar, Dubai Women's College
12:20 - 12:40	***Scheduling for high performance computing with reinforcement learning** • Scott Hutchison, Kansas State University • Daniel Andresen, Kansas State University • William Hsu, Kansas State University • Benjamin Parsons, Eng. and Research and Development Center, Vicksburg • Mitchell Neilsen, Kansas State University
12:40 - 01:00	**+Power Quality Improvement of a Standalone Power Supply System Powered by PV, Wind, and Batteries via LSTM-based ANN Controllers** • Saatong Kenfack Tsobze, University of Douala • Reagan Jean Jacques Molu, University of Douala • Harrison Ambe, University of Buea • Serge Raoul Dzonde Naoussi, University of Douala • Wulfran Fendzi Mbasso, University of Douala • Patrice Wira, University of Haute Alsace

01:00 - 02:00	**+Finance and Digital Models for Economic Growth** Session Co-Chairs - Germain N. Pichop, East Central U, USA+ - Franklin Lartey, Cox Communications, USA*

01:00 - 01:20	**+Retail Central Bank Digital Currency and Deposit Market Competition: Evidence From China** Xiaoying Li, Indiana University, USA

01:20 - 01:40	*** Robustness Analysis of Deep Reinforcement Learning for Online Portfolio Selection [2022 OkIP]** - Marc Velay, University of Paris-Saclay and Lusis - Bich-Lien Doan, University of Paris-Saclay - Fabrice Popineau, University of Paris-Saclay - Arpad Rimmel, University of Paris-Saclay - Fabrice Daniel, Lusis, Paris

01:40 - 02:00	**+Digital Economy and Artificial Intelligence in Subsahara Industrialization** - Irene Tiako, University of Yaounde II - Bernard Nguekeng, University of Yaounde II

~~01:40~~ - ~~02:00~~	**+The Effect of Capital Adequacy Provisions in the Economic Growth, Regulatory Relief, and Consumer Protection Act on Community Banking** George Lu, Ohio State University

~~01:40~~ - ~~02:00~~	**+Labor force Heterogeneity and Earnings Management** Md Ismail Haidar, University of Texas Rio Grande Valley

02:00 - 03:00	**+Enhancing Artificial Intelligence & Design Methods** Session Co-Chairs • Dan Morehead, OGE Energy Corp (Ret.) & IEEE OKC, USA# • Lynda Sellami, University of Burgundy, France* • Franklin Lartey, Cox Communications, USA+

02:00 - 02:20	**#Integrated Circuit Design using Open Software Source Tools in Doctoral Studies** • Hertz Pancha, University of Yaounde I

02:20 - 03:00	***The Power of Ontology in the Growth of Artificial Intelligence** • Emile Tawamba, University of Douala & La Cite College of Ottawa

~~02:20~~ - ~~03:00~~	**+Assessing the Impact of Interactivity in the Cognitive Domain: A Noise Ratings Case Study [2022 OkIP]** • Flaithri Neff, Technological University of the Shannon, Limerick • Patrick Duffy, Technological University of the Shannon, Limerick • Malachy Ronan, Technological University of the Shannon, Limerick

	Wednesday, April 03, 2023

| 03:00 - 04:20 | ***Strengthening Businesses and Smart Computing**

Session Co-Chairs
• Franklin Lartey, Cox Communications, USA*
• David Bueno Vallejo, University of Malaga, Spain+
• Bernard K. Foguem, Tarbes U of Technology, France#
• Hyacinthe Aboudja, Oklahoma City U (Ret.) & IEEE OKC, USA% |

| 03:00 - 03:20 | ***Recent Surveys on Optimal Transport for Machine Learning**
• Bernard Kamsu Foguem, Tarbes University of Technology
• Piere F. Tiako, CITRD Lab, Oklahoma City
• S. L. Msouobu Gueuwou, Kwame Nkrumah U of Science and Technology
• Cheick A. K. A. Kounta, University of Science and Technology of Bamako |

| 03:20 - 03:40 | **#A better model? Testing of Fama and French six-factor model in a Frontier Stock Market**
• Mehak Younus, SZABIST |

| 03:40 - 04:00 | **+Algorithmic vs. Machine Learning Approaches for Solving Dynamic Particle Motion Problems**
• Munenyashaishe Hove, Data Scientist |

| 04:00 - 04:20 | **% Decoding Anomalies: Unveiling Asset Pricing Models in an Emerging Market**
• Mehak Younus, SZABIST |

| 03:40 - 03:45 | **Closing Remarks** |

Zoom Link, Information, and OkIP WhatsApp Number

OkIP WhatsApp: +1 405-510-6431

Topic: 2024 OkIP Spring Conference / 2024 IEEE OKC Spring Webinar Series

Time: Apr 3, 2024, 08:50 AM Central Time (US and Canada)

Join Zoom Meeting

https://us06web.zoom.us/j/87900644743?pwd=knvGLjyfzKU7vG45ixY0an85ONsQmb.1

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Passcode: 745572

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Passcode: 745572

Find your local number: https://us06web.zoom.us/u/kbYFRXVFfX

Wednesday, April 03, 2023

Keynote/IEEE-Distinguished Speaker Talk and Bio

AI and Digital Transformation: Industry Driven Partnerships

Dr. Ram D. Sriram
Chief of the Software and Systems Division
Information Technology Laboratory
National Institute of Standards and Technology.

Talk:

Artificial Intelligence (AI) is concerned with the development of computer programs that emulate the intelligence of humans, i.e., AI is deeply concerned with the understanding of human problem-solving strategies and incorporating (or simulating) these strategies into computer programs. The health care enterprise involves many different stakeholders --   consumers, health care professionals and providers, researchers, and insurers. AI will play an important role in many tasks that these stakeholders undertake. These include: image diagnostics, medical decision making, prior authorization, drug design, nutrition advisor, patient scheduling, etc.. The National Institute of Standards and Technology (NIST) is an agency of the United States Government. NIST's mission is to generally strengthen the U.S. economy and improve the quality of life by working with industry to develop and apply technology, measurements and standards. The U.S. President's Executive Order on AI calls for NIST to lead the development of appropriate technical standards for reliable, robust, trustworthy, secure, portable, and interoperable AI systems. I will discuss relevant AI thrusts at NIST on health care informatics, focusing on the use of machine learning, knowledge representation and natural language processing.

Short Biography:

Ram D. Sriram is currently the chief of the Software and Systems Division, Information Technology Laboratory, at the National Institute of Standards and Technology. Before joining the Software and Systems Division, Sriram was the leader of the Design and Process group in the Manufacturing Systems Integration Division, Manufacturing Engineering Laboratory, where he conducted research on standards for interoperability of computer-aided design systems.

Prior to joining NIST, he was on the engineering faculty (1986-1994) at the Massachusetts Institute of Technology (MIT) and was instrumental in setting up the Intelligent Engineering Systems Laboratory. Sriram has co-authored or authored nearly 300 publications, including several books and videos. Sriram was a founding co-editor of the International Journal for AI in Engineering. Sriram received several awards including: an NSF's Presidential Young Investigator Award (1989); ASME Design Automation Award (2011); ASME CIE Distinguished Service Award (2014); the Washington Academy of Sciences' Distinguished Career in Engineering Sciences Award (2015); ASME CIE division's Lifetime Achievement Award (2016); CMU CEE Lt. Col. Christopher Raible Distinguished Public Service Award (2018); IIT Madras Distinguished Alumni Award (2021); IEEE Reliability Lifetime Achievement Award (2023). Sriram is a Fellow of AAIA, ACM, AIBME, ASME, AAAS, IEEE, INCOSE, SMA, and Washington Academy of Sciences, and a Senior Member (life) AAAI. He is also an Honorary Member of IISE, a distinction he shares with Lee Iaccoca (Chrysler chairman), Von Braun (Rocket pioneer), and Herbert Hoover (U.S. President). Sriram has a B.Tech. from IIT, Madras, India, and an M.S. and a Ph.D. from Carnegie Mellon University, Pittsburgh, USA.