Start	End	Time	Description	Combined Session	Parallel Sessions			
				Friday	Track 1	Track 2	Track 3	Track 4
3:00	3:15	15 min	opening remarks					
3:15	4:15	1 hr	**Session0A**		Technical Workshop: Exploring Data-Driven Advocacy; Weizhen Sheng, Stephanie Tang and Lucia Huo	Technical Workshop: How do Computer Systems Work?; Peter Henderson	Technical Workshop: Difficult Conversations – 3 Keys to Mastery; Leslie Fiorenzo	
4:15	4:30	15 min	**Break**					
4:30	5:30	1hr	Keynote 1	NASA Modern Figures Panel: Julie Williams-Byrd, Debbie Garrett-Cook, Devin Pugh-Thomas, Debbie Martinez, Michelle Ferebee				
5:30	6:30	1 hr	Dinner break/Career Fair					
6:30	7:30	1hr	Socialize virtually					
				Saturday	Track 1	Track 2	Track 3	Track 4
8:45	9:00	15 min	Brief Intro					
9:00	10:00	1 hr	Keynote 2	Is Data Scientist Really the Best Job in America?; Cheryl Howard				
10:00	10:05	5 min	Break					
10:05	11:05	1 hr	**Session 1A**		Technical talk / Imbalanced data can throw you off balance; Neli Chakarova	3 research shorts / 1) Renewable Energy Aware Job Scheduling in Green Data Centers; Vanamala Venkataswamy / 2) Wearable Computing for Physical Rehabilitation; Sophia Cronin, Tyler Webster and Jason Forsyth	3 research shorts / 1) Multi-Cause Effect Estimation with Disentangled Confounder Representation; Jing Ma / 2) Factors affecting nonprofits' information security readiness during crises: A study of COVID-19 impact on Small and Medium Nonprofit Organizations (NPOs) in DMV Area.; Natalia Ermicioi	Technical talk / #ilooklikeanengineer: Challenging Gender Stereotypes Since 1940; Laura Puaca

Start	End	Duration	Session					
						3) Using Mobility Data to Understand and Forecast COVID19 Dynamics.; Lijing Wang	3) Extracting Information from Electronic Thesis and Dissertations; Bipasha Banerjee, William A. Ingram and Edward A. Fox	
11:05	11:10	5 min	**Break**					
					2 research shorts	2 research shorts	Technical talk	4 flash talks
11:10	11:50	40 min	**Session 1B**		1) Auction-oriented Parking-based Vehicular Cloud Management; Susan Zehra, Syed Rizvi and Stephan Olariu 2) A Novel Word Embedding Intrinsic Evaluation Test: Quantifying Valence in Semantics Derived from Language Corpora; Autumn Toney and Aylin Caliskan	1) Exploring technical skills and competencies for future information technology workforce; Ana Valentin 2) The Impact of Mobile Technology on Child Development; Brooke Nixon	Considerations on Ethics, Machine Learning, and Social Media Research; Agoritsa Polyzou and Lisa Singh	1) The Role of Data Science in Combating COVID-19 Pandemic; Zahra Rizvi 2) Characterizing the role of newspapers in conversations around the 2020 election candidates; Meenakshi Balan 3) CSIT XXX – Applied Programming for All Majors: A Contextualized Course Based on Inter-Disciplinary Curriculum Development; Pamela Bogdan and Sylvia Riviello 4) Secondary Science Teachers' Intentionality of Using Computational Thinking to Create Learning Opportunities for BIPOC Students; Kristina Kramarczuk
11:50	11:55	10 min	**Break**					
					6 flash talks	3 research shorts	Technical talk	Panel

11:55	12:55:00 PM	1 hr	**Session 2A**		1) RLSched: Adaptive Container Scheduling in Cloud Data Centers using Deep Reinforcement Learning; Tania Lorido-Botran and Muhammad Khurram Bhatti 2) AI Advancing Social Welfare During Pandemics; Donna Schaeffer and Patrick Olson	RelEx: A system for multi-class clinical relation extraction; Darshini Mahendran and Bridget McInnes	Discover the Power of Community with WIC Groups and NCWIT Aspirations in Computing; Gretchen Achenbach	Graduate School - Is It for Me?; Christina Burton and Rita Powell
					3) Connected Relationships using Internet of Things; Cassie Bedard, Garrett Hutson, Evelyn Munstermann, Katelyn Anderson and Shraddha Joshi 4) Hands on Cyber Security Education using MITRE's CALDERA; Darshea'L Cook and Joseph Shelton	Determining the Optimal Training Data Size for Recognizing Handwriting; Elizabeth Chason		
					5) Social Media as a Driver for Social Change: Analyzing the #MeToo and #BlackLivesMatter Movements on Twitter; Samantha Dies, Autumn Toney and Lisa Singh 6) Combined Human Factors and A.I Approach for Detecting Manipulated video; Toriyonnah Lundy, Snaie Minott and Joseph Shelton	Cybersecurity Considerations in Small Business, Economic Impact; Brandi Fabel		
12:55	1	**5min**	**Break**					
1:00	2:00	1 hr	Lunch/Keynote 3	A Case for Diversity in Computing: How working with diverse teams foster innovation.; Cheryl Seals				

Start	End	Duration	Session			Track 1	Track 2	Track 3
2:00	3:00	1 hr	Posters / Career Fair		1) Improving the Explaina... 2) Development of a proje... 3) Privacy Concerns Perta... 4) Analysis of Secondary ... 5) NPGREAT: A method fo...			
3:00	3:05	**5 min**	**Break**					
3:05	3:45	1 hr	**Session 2B**				2 research shorts	2 research shorts	Technical talk
							1) Can Patterns in Mystery Novels Be Detected?; Maya Ramani, Aaron Thompson and John Hott	1) A Walk Down Memory Lane: Analysis of Memory and Computer Systems From 1995 to Present-Day; Lalitha Kuppa, Tanvi Haldankar and Margaret Ellis	Game theory in Mobile Crowdsensing Networks (MCS); Zhuojun Duan
							2) The Dark Side: A dive into Dark Patterns and Data Brokers; Jennifer Hurst and Dr. Faleh Alshameri	1) A Walk Down Memory Lane: Analysis of Memory and Computer Systems From 1995 to Present-Day; Lalitha Kuppa, Tanvi Haldankar and Margaret Ellis	
3:45	3:50	**5 min**	**Break**					
3:50	4:50	1 hr	**Session 3A**				Technical talk	3 research shorts	
							Demand Forecasting of Service Request (SR) Volume with Human-in-the-loop (HitL); Shubhi Asthana, Bing Zhang, Aly Megahed, Pawan Chowdhary and Taiga Nakamura	1) Measuring Gender Bias in Word Embeddings of Gendered Languages Requires Removing the Grammatical Gender from the Vector Space; Shiva Omrani Sabbaghi and Aylin Caliskan	
								2) A Novel Word Embedding Intrinsic Evaluation Test: Quantifying Valence in Semantics Derived from Language Corpora; Autumn Toney and Aylin Caliskan	

						3) Auction-oriented Parking-based Vehicular Cloud Management; Susan Zehra, Syed Rizvi and Stephan Olariu		
4:00	5:00	**10min**	**Break**						
5:00	5:15	15 min	Closing remarks	Closing remarks					
5:30	6:30	60 minutes	CAPWIC2022 planning						