2023 SDSU Data Science Symposium Schedule

			Monday, February	, 6, 2023			
Time	Pasque Room (255)		Dakota Room A/C (250)			Pheasant Room A/C (253)	
12:30-5:00 p.m.			Check-in/Registration, Prairie Lounge				
1:00-5:00 p.m.	WORKSHOP 1 Intro to BlockChain Canceled		WORKSHOP 2 Intro to Python Seth Friesz		Тех	WORKSHOP 3 Text Data Analytics/NLP with Python David Zheng	
			Banquet, Pe	rforming Arts Center			
6:00-6:30 p.m.	Social Time (cash bar)						
6:30-8:00 p.m.	Dinner						
7:15-7:30 p.m.	Welcome, Kurt Cogswell, Head, Department of Mathematics and Statistics						
7:30-8:30 p.m.	Keynote: Unraveling Complex Problems: Applying Systems Thinking in Data Science, Ryan Nichols, Data Science & Analytics Advisor, TransUn Tuesday, February 7, 2023						
Time	Dakota Room A/C (250)	Pheasant R	Room A/C (253)	Herold Crest (253C))	Pasque Room (255)	
7:30 a.mnoon	Check-in/Luggage Check, Volstorff Lounge						
7:45-8:15 a.m.	Breakfast, Volstorff B						
8:30-8:45 a.m.	Opening Session: Welcome and Introduction, Dr. Rajesh Kavasseri, Associate Dean of Research, Lohr College of Engineering, Volstorff B						
8:45-9:45 a.m.	Keynote: Zip Code& Address Change — Using Innovative Date Analytics to Predict & Impact Health Outcomes, Emily Griese, Volsto						
9:50-10:50 a.m.	Chair: Valerie Reed Improving Customer Experience Through Natural Language Processing Valerie Reed & Paige Pennock, First Premier Bank Chair: An Effect of Bo Spray Travis Burger Al-driven Wh ContentForer		2 Application drew Simpson Dom Leveling on Dispersion s, Raven Industries eat Yield & Protein casting Using UAV	Session 3 Bioinformatics Chair: Xijin Ge, SDSU CancerTrial Match: A Web Application for the Curation and Matching of Clinical Trials at a a Precision Oncology Center Priya Swaminathan, Avera Cancer Institute		Session 4 Mathematical Machine Learning Chair: Randy Hoover, SDSMT Overview of Deep Learning and Universality Micheal Puthawala, SDSU Advancing Machine Learning Through	
	Utilizing Cloud Resources to Develop and Deploy Machine Learning Solutions Eric Stratman, ValidiFI		t e Sensing ad Billah, SDSU	An "Arg" to Comprehend Genetic Constraint Suvobrata Charavarty, SDSU		Multilinear Subspace Methods Cagri Ozdimir, SDSMT	
0:50-11:00 a.m.		!	Networking Brea	ak Exhibitors, Volstorff A			
11:00 a.mnoon	Session 5 Finance Chair: Thomas Brandenburger, SDSU Equipment Finance Securitization — Driving Business Value Through Advanced Analytics Ed Krueger, Sebastian Sowada and Brandon Thomson, Channel Partners	Data S Chair:Dhiraj Parallel and I Engine for Fe Kyle Puti Talk to Yo ChatGPT	ession 6 ccience & Al Sharan, Query.Al Distributed Query derated Searching nam, Query.Al our Data with and RTutor.ai n Ge, SDSU	Session 7 Methods Chair: Theo Anim Bediak Finding Needles in Hayste Rare Category Detection L Semi-supervised Active Lee Rohan Loveland, SDSMT Robustness Analysis of Convo Layers in Image Classifica Neural Networks Gabriel Picioroaga, USD Would AI Stocks Estimate Surprised to USDA Stock re as Private Market Analys Asif Chowdhury, SDSU	o ocks: Jsing Irning Jolutional Ition Be as	Session 8 Forensics Statistics Chair: Christorpher Saunders, SDSU Statistic Discrimination Methods for Forensic source Interpretation of Aluminum Powders in Explosives Danica Ommen, Iowa State University Assessing Error Rates in Multiple Examiner Groups using Regression Methods Larry Tang, University of Central Florida Ensemble of Score Likelihood Ratios for the Common Source Problem Federico Veneri, Iowa State University	
noon-1:00 p.m.			Lunch, Volstorff B	Poster Session, Volstorff A			
1:00-2:00 p.m.	Poster Session Student Poster Competition, Volstorff B						
1:00-2:30 p.m.	Job Fair/Recruiting Exhibitors, Volstorff B						
2:00-3:00 p.m.	Panel Discussion Discussant, Michael Lim, TransUnion Volstorff B						
3:00-4:00 p.m.	Session 9 Methods Chair: Clarissa Giefer Don't Solve the Wrong Problem! Cautionary Tales of Data Science in the Industry Jeremy Werner, Allstate	Student Sp Chair: 2D respirator detect lur A Characterizat into Forensic I when there Sp Information Jor Two-Stage Af Handw Ashl Models for P	ession 10 Deed Presentation Dylan Bochert ry sound analysis to ng abnormalities afia Alice tion of Bias Introduced Source Identification is a Subpopulation tructure an Borchert ch to detect COVID-19 y mining biomedical from news articles rdan Smith poroach for Forensic riting Analysis lan Simpson redicting Maximum ity of Tropical Cyclone ar Chowdhury	Session 11 Method Chair: Jason Hasse Can Machine Learning Predic Deposition at Specific Intr Regions Based on Comput Fluid Dynamics Inputs/Outp Nasal Geometry Measurer Mohammad Akash, SDS Skip-GCN: A Framework for H Graph Representation Le Jackson Cates, SDSM	ct Particle ranasal ational outs and ments? SU lierarchical arning	Session 12 Machine Learning Applications Chair: Randy Hoover, SDSMT Analysis of State and Parameter Estimation Techniques using Dynamic Perturbation Signals Timothy Hansen, SDSU Active Learning to Minimize the Possible Risk from Future Epidemics KC Santosh, USD	
4:00-4:10 p.m.				Break			

Poster Presentations

Alice Rafia, 2D Respiratory Sound Analysis to Detect Lung Abnormalities

Theophilus Anim Bediako, Covariance Based Clustering for Classification

Dylan Borchert, A Characterization of Bias Introduced into Forensic Source Identification when there is a Subpopulation Structure in the Relevant Source Population.

Iftekhar Chowdhury, Models for Predicting Maximum Potential Intensity of Tropical Cyclones

Jason Hasse, Application of Gaussian Mixture Models to Simulated Additive Manufacturing

Akosua Okyere-Addo, Spatial Data Analysis for Traffic Safety Network Screening

S. M. Rahat Rashedi, Spatial Data Analysis for the Development of Expected Adverse Weather Charts for Transportation Construction Projects

Sherryl Mae Rowe, What are your Strengths?: An Analysis of the Correlation of Strengths and Majors

Karissa Scipke, Temporal Tensor Factorization for Multidimensional Forecasting

Andrew Simpson, Finite Mixture Modeling for Hierarchically Structured Data with Application to Keystroke Dynamics

Ashlan, Simpson, Two-Stage Approach for Forensic Handwriting Analysis

Jordan Smith, A novel approach to detect COVID-19 fake news by mining biomedical information from news articles

Anna Stevens, Comparing Crime Rates Before and After the Covid-19 Pandemic in the United States

Miranda Vander Berg, The Relevance of Shame Across Time and Location