



10th Annual Coastal Bend Mathematics and Statistics Conference

Hosted by the Department of Mathematics & Statistics at Texas A&M-Corpus Christi

Short Schedule

Schedule at a Glance

8:00 am - 8:30 am	Registration in OCNR Lobby and Refreshments in OCNR 135
8:30 am - 8:45 am	Inauguration and Remarks in OCNR 145 Dr. D. Palaniappan <i>Interim Chair</i> , Department of Mathematics & Statistics Dr. Robert McKallip <i>Dean</i> , College of Science
9:00 am - 12:00 pm	Parallel Sessions in OCNR
12:00 pm - 1:00 pm	Lunch in UC Rotunda
1:00 pm - 3:00 pm	Parallel Sessions in OCNR
3:00 pm - 3:30 pm	Coffee Break in OCNR 135
3:30 pm - 6:00 pm	Parallel Sessions in OCNR

Schedule of sessions

Time	Session	Location	Code
09:00-12:00	Statistical Theory Bayesian Methods & Applied Statistics	OCNR-115	DF1
09:00-12:00	Machine Learning Deep Learning & Remote Sensing	OCNR-116	DF2
09:00-12:00	Advanced Numerical Methods for PDEs and Multiscale Problems	OCNR-117	MF1
09:00-12:00	Data-Driven Methods Networks and Discrete Mathematics	OCNR-118	MF2
09:00-11:50	Mathematics Education Morning Session	OCNR-130	Ed1
09:00-12:00	Data Science and AI in Agriculture	OCNR-145	DS1
09:00-12:00	Mathematical Modeling of Complex Biological Physical and Engineering Systems	OCNR-259	MS1
13:00-15:00	Applied ML & Precision Agriculture	OCNR-115	DF3
13:00-15:00	Nonlinear Mechanics and Mathematical Physics	OCNR-117	MF3
13:00-13:40	The Influence of Secondary Education on Students and STEM Engagement	OCNR-130	Ed2
13:00-15:00	Medical & Health AI	OCNR-145	DS2
13:00-15:00	Statistical Methods & Computational Science	OCNR-116	DS3
13:00-15:00	Data-Driven and Machine Learning Approaches	OCNR-259	MS2
15:30-17:30	Mathematical Biology and Data-Driven Life Sciences	OCNR-117	MF4
15:30-17:30	Computing, ML & Engineering	OCNR-145	DS4
15:30-17:30	Health, Social Science, Environmental & Applied Research	OCNR-116	DS5
15:30-17:30	Mechanics, Dynamical Systems and Applied Mathematical Analysis	OCNR-259	MS3

Morning Sessions

DF1: Statistical Theory, Bayesian Methods & Applied Statistics

Time	Presenter (Affiliation)
09:00-09:20	Mai Dao (WSU)
09:20-09:40	Jose H. Guardiola (TAMU-CC)
09:40-10:00	George Yanev (UTRGV)
10:00-10:20	Min Wang & Zhuanzhuan Ma
10:20-10:40	Sarjinder Singh (TAMUK)
10:40-11:00	Thirupathi Reddy Mokalla
11:00-11:20	Mounika Kandukuri (BCM)
11:20-11:40	Hongwei Wang (TAMU)
11:40-12:00	Mike Lindstrom (UTRGV)

DF2: Machine Learning, Deep Learning & Remote Sensing

Time	Presenter (Affiliation)
09:00-09:20	Md Rashedur Rahman (UIW)
09:20-09:40	Madhavi Pagare (TAMU-CC)
09:40-10:00	B. Veena S. N. Rao (TAMU-CC)
10:00-10:20	Sreelekha Guggilam (TAMU-CC)
10:20-10:40	Yifan Hsu (TAMUK)
10:40-11:00	Lei Jin (TAMU-CC)
11:00-11:20	Ashutosh Tiwari (TAMU-Ag)
11:20-11:40	Lei Zhao (TAMU-Ag)
11:40-12:00	Benjamin Ghansah (TAMU-Ag)

DS1: Data Science and AI in Agriculture

Time	Presenter (Affiliation)
09:00-09:20	Belinda Arnero (TAMUK)
09:20-09:40	Zak Zapata (TAMU-CC)
09:40-10:00	Chen Liu (TAMU-CC)
10:00-10:20	Christopher Salazar (TAMU-CC)
10:20-10:40	Ashley Marines (TAMU-CC)
10:40-11:00	CJ Perez (TAMU-CC)
11:00-11:10	Jacob Poland (TAMU-CC)
11:10-11:20	Francisco J. Trevino (TAMUK)
11:20-11:30	Allyson Furlan (TAMU-CC)
11:30-11:40	Ernesto Reyes (TAMU-CC)
11:40-11:50	Cheyenne Martin (TAMU-CC)
11:50-12:00	Sushil Paudyal (TAMU)

MF1: Advanced Numerical Methods

Time	Presenter (Affiliation)
09:00-09:20	Loic Cappanera (UH)
09:20-09:40	Ahsan Ali (Baylor)
09:40-10:00	Ram Manohar (TAMU-CC)
10:00-10:20	Natasha S Sharma (UTEP)
10:20-10:40	Saqib Hussain (TAMU)
10:40-11:00	Arash Goligerdian (TAMU-CC)
11:00-11:20	Yiwei Wang (UCR)
11:20-11:40	Maria Vasilyeva (TAMU-CC)

MF2: Data-Driven Methods, Networks

Time	Presenter (Affiliation)
09:00-09:20	Simona Hodis (TAMUK)
09:20-09:40	E Cabral Balreira (Trinity)
09:40-10:00	Aden Ahmed (TAMUK)
10:00-10:20	Qi Han (TAMUSA)
10:20-10:40	Jingbo Liu (TAMUSA)
10:40-11:00	Lihua Zuo (TAMU-CC)
11:00-11:20	Juan B. Gutiérrez (UTSA)
11:20-11:40	Genival da Silva (TAMU-SA)

MS1: Mathematical Modeling

Time	Presenter (Affiliation)
09:00-09:20	Jenita Jahangir (ULA)
09:20-09:40	Alfredo Razo (LC)
09:40-10:00	Joseph Medina (TAMUSA)
10:00-10:20	Alessandra Martinez (UTRGV)
10:20-10:40	Nicholas McLain (TAMU-CC)
10:40-11:00	David Figueroa (TAMU)
11:00-11:20	Ananya Gopal Hegde (TAMU-CC)
11:20-11:40	Ruben Dominguez (TAMU-CC)

Ed1: Mathematics Education

Time	Presenter (Affiliation)
09:30-09:50	Dr. Aaron L. Modic (TAMU)
10:00-10:20	Daniel Arias (TAMUK)
10:30-10:50	Arturo Villarreal (TAMU)
11:00-11:20	Jasmin Ortiz (TAMU)
11:30-11:50	Qiuchen Hai (UTSA)

Afternoon Sessions

DF3: Applied ML & Precision Agriculture

Time	Presenter (Affiliation)
13:00-13:20	Zheng Wei (TAMU-CC)
13:20-13:40	Yuri Calil (TAMU-Ag)
13:40-14:00	Pankaj Pal (TAMU-Ag)
14:00-14:20	Sayantan Sarkar (TAMU-Ag)
14:20-14:40	Jose L. Landivar (TAMU-Ag)
14:40-15:00	Mahendra Bhandari (TAMU-Ag)

DS2: Medical & Health AI

Time	Presenter (Affiliation)
13:00-13:20	Gifty Duah (UTRGV)
13:20-13:40	Peggy Enyonam Akabuah (UTRGV)
13:40-14:00	Christopher Attafuah (UTRGV)
14:00-14:20	Samanvitha Karri (TAMU-CC)
14:20-14:40	Gowtham Kamle (TAMU-CC)
14:40-15:00	Hossein Naderi (TAMU-CC)

MF3: Nonlinear Mechanics and Mathematical Physics

Time	Presenter (Affiliation)
13:00-13:20	Reza R. Ahangar (TAMUK)
13:20-13:40	Kun Gou (TAMUSA)
13:40-14:00	Dambaru Bhatta (UTRGV)
14:00-14:20	Cesar Contreras (TAMU)
14:20-14:40	John Harrison (TAMU-CC)

DS3: Statistical Methods & Computational Science

Time	Presenter (Affiliation)
13:00-13:20	Huynh Lan Phuong Le (TAMU-CC)
13:20-13:40	Suhong Ye (TAMU-CC)
13:40-14:00	Arianna E. Ortiz (TAMU)
14:00-14:20	Yashaswi Bastakoti (TAMUK)
14:20-14:40	Omar Sharif (UTRGV)
14:40-15:00	Maria Vasquez (TAMU)

Ed2: The Influence of Secondary Education on Students

Time	Presenter (Affiliation)
13:00-13:40	Craig McCarron (TAMUSA)

MS2: Data-Driven and Machine Learning Approaches

Time	Presenter (Affiliation)
13:00-13:20	Jacob Kapita (LSU)
13:20-13:40	Chandana Pati (TAMU-CC)
13:40-14:00	Mahidhar Reddy Patukuri (TAMU-CC)
14:00-14:20	Joel Williams (UTRGV)
14:20-14:40	Syed Izzat Ullah (TAMU-CC)
14:40-15:00	Hyangim Ji (TAMU-CC)

Evening Sessions

DS4: Computing, ML & Engineering

Time	Presenter (Affiliation)
15:30-15:50	Anshika Rani (TAMU-CC)
15:50-16:10	Manidhar Aduri (TAMU-CC)
16:10-16:30	Fatmir Gjergji & Nathan Castro (UIW)
16:30-16:50	Emmanuel Boadi (UTRGV)
16:50-17:10	Yejin Hwang (TAMU-CC)
17:10-17:30	Jahnavi Krishna Koda (TAMU-CC)

DS5: Health, Social Science, Environmental & Applied Research

Time	Presenter (Affiliation)
15:30-15:50	Nene Coulibaly (TAMU-CC)
15:50-16:10	Shishir Sapkota (TAMU-Ag)
16:10-16:30	Mariah Roberts (TAMU-CC)
16:30-16:50	Kristel Rochell Herrera (TAMIU)
16:50-17:10	Mirzobedil Dzhamolzoda (TAMIU)
17:10-17:30	Jose Herrera (TAMIU)

MF4: Mathematical Biology and Data-Driven Life Sciences

Time	Presenter (Affiliation)
15:30-15:50	Md Nazmul Hassan (TAMUK)
15:50-16:10	Zhuolin Qu (UTSA)
16:10-16:30	Md Mustafijur Rahman (TAMUSA)
16:30-16:50	Gangadhara Boregowda (UTRGV)
16:50-17:10	Jun Chen (TAMUK)

MS3: Mechanics, Dynamical Systems, and Applied Mathematical Analysis

Time	Presenter (Affiliation)
15:30-15:50	Changyan Shi (UTRGV)
15:50-16:10	Saugata Ghosh (UTRGV)
16:10-16:30	Martin Reyes Jr. (LC)
16:30-16:50	Gustavo Nieto (LC)
16:50-17:10	Changyan Shi (UTRGV)