ARTIFICIAL INTELLIGENCE
CONFERENCE

How AI is helping secure water for the future

Time	Session	Speaker
9:30 AM	**Welcome & Breakfast**	
10:00 AM	**Introduction to the Hantush Deju Center**	**Dan Stephens** **Interim Director** Hantush Deju Center
10:30 AM	**Machine Learning** for Non-Obvious Systems Behavior	**Max Planck** **Analysis for iCASA** New Mexico Tech
11:00 AM	**Update on New Mexico Water Data Initiative**	**Stacy Timmons** **Associate Director for Hydrogeology Programs** New Mexico Bureau of Geology & Mineral Resources
12:00 PM	**Working Lunch-Overview of NCGR**	**Callum Bell** President NCGR
1:00 PM	**Using Machine Learning** to improve earth system holding of snow in Arctic Landscapes	**Katrina Elanor Bennett** Los Alamos National Labs
1:30 PM	**Connectivity** informed drainage network generation using generative adversarial networks for inverse modeling	**Hongkyu Yoom** Sandia National Labs
2:00 PM	**New Mexico Tech Hydrology Program** AI Research Opportunities	**Mark Pearson** **Professor of Hydrology** New Mexico Tech
2:30 PM	**Break**	
3:00 PM	**Opportunities for AI (cont.)** Scaling hydrologic problems via geodetic measurements	**Alex Rinehart** **Assistant Professor of Hydrology** New Mexico Tech
3:30 PM	**Machine Learning** approaches for simulating subsurface fractured systems	**Hari Viswanathan** Los Alamos National Labs
4:00 PM	**Open Discussion**	
5:00 PM	**Adjourn**	

Friday
August 27th

NCGR
2935 Rodeo Park Dr E,
Santa Fe, NM 87505
Genome Conference Room

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