

RESEARCH WORKSHOP

LXAI
LATINX IN AI

DECEMBER 7TH, 2020



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WORKSHOP SCHEDULE

December, 7th 2020

MORNING

| | |
|-----------------|---------------------------------------|
| 7:00 AM | Check-in |
| 8:15 AM | Opening Remarks |
| 8:30 AM | Keynote Oriol Vinyals |
| 9:00 AM | Keynote Q&A |
| 9:10 AM | Oral Presentations |
| 9:50 AM | Q&A Session |
| 10:00 AM | Break |
| 10:10 AM | Oral Presentations |
| 10:50 AM | Q&A Session |
| 11:00 AM | Break |
| 11:10 AM | Keynote Aline Villavicencio |
| 11:40 AM | Keynote Q&A |
| 11:50 AM | Break |

AFTERNOON

| | |
|-----------------|------------------------------------|
| 12:00 PM | Lunch & Sponsor Announcements |
| 12:30 PM | Poster Session |
| 2:30 PM | Keynote Fernanda Viégas |
| 3:00 PM | Keynote Q&A |
| 3:10 PM | Oral Presentations |
| 3:50 PM | Q&A Session |
| 4:00 PM | Break |
| 4:10 PM | Keynote Nayat Sanchez-Pi |
| 4:40 PM | Keynote Q&A |
| 4:50 PM | Oral Presentations |
| 5:20 PM | Q&A Session |
| 5:30 PM | Mentoring Hour |
| 6:30 PM | Closing Remarks |
| 7:00 PM | Social Hour |

LATINX IN AI RESEARCH WORKSHOP



ORAL PRESENTERS

Monday, December 7th, 9:10 am PST



JUAN LUIS GONZALEZ

KAIST-VICLab

Forget About the LiDAR: Self-Supervised Depth Estimators with MED Probability Volumes



SALVA RÜHLING CACHAY

Technical University of Darmstadt

Model Misspecification in Multiple Weak Supervision



GUSTAVO SUTTER P. CARVALHO

Universidade de São Paulo (ICMC-USP)

An evaluation metric for generative models using hierarchical clustering



ARIEL RUIZ-GARCIA

SeeChange.ai

Generative Adversarial Stacked Autoencoders

LATINX IN AI RESEARCH WORKSHOP



ORAL PRESENTERS

Monday, December 7th, 10:10 am PST



OCTAVIO ARRIAGA

University of Bremen

Unsupervised Difficulty Estimation



GEFERSOM G LIMA

Unisinos

Binary Segmentation of Seismic Facies Using Encoder-Decoder Neural Networks



NICOLAS ARAQUE

Universidad Metropolitana

Study, Attend and Predict: Academic Performance Prediction using Transformers



MATIAS DANIEL MOLINA

National University of Córdoba

Performance Variability in Zero-Shot Classification

LATINX IN AI RESEARCH WORKSHOP



ORAL PRESENTERS

Monday, December 7th, 3:11 pm PST



GIUSEPPE VIETRI

University of Minnesota

Private Reinforcement Learning with PAC and Regret Guarantees
vietri



DANIEL ALFREDO PALOMINO PAUCAR

Universidad Católica San Pablo

Overcoming Transformer Fine-Tuning process to improve Twitter
Sentiment Analysis for Spanish Dialects



MARÍA BELÉN GUARANDA

ESPOL

Detecting Damaged Regions after Natural Disasters using Mobile
Phone Data: The Case of Ecuador Guaranda



ANDRÉS CARVALLO

Pontificia Universidad Católica de Chile

Neural language models for text classification in evidence-based
medicine Carvallo

LATINX IN AI RESEARCH WORKSHOP



ORAL PRESENTERS

Monday, December 7th, 4:51 pm PST



IVÁN VENZOR

Universidad Autónoma de Nuevo León

Severe Weather Prediction Using Lightning Data



MAURICIO GONZALEZ-SOTO

Instituto Nacional de Astrofísica Óptica y Electrónica (INAOE)

Learning a causal structure: a Bayesian Random Graph approach



DANIEL E OCHOA

University of Colorado Boulder

Robust Optimization over Networks Using Distributed Restarting of Accelerated Dynamics Ochoa

LXAI POSTER PRESENTERS

DUSTIN JAVIER

CARRION

Yachay Tech University

Analysis of factors that influence the performance of biometric systems based on EEG signals

JORGE F CIPRIÁN-SÁNCHEZ

Tecnológico de Monterrey

Deep Learning model for wildfire detection through the fusion of visible and infrared information

CARMINA PÉREZ-GUERRERO

Tecnológico de Monterrey

Semantic Segmentation of Jet Fire Temperature Zones using Deep Learning

SANTIAGO MIRET

Intel Labs

Safety Aware Reinforcement Learning (SARL)

LUIS GONZÁLEZ

Universidad Autónoma de Chihuahua

Inferring Aggressive Driving Behavior from Smartphone Data - Smartphone's sensors meet Inception

EDUARDO

MOJICA-NAVA

PAAS UN - Universidad Nacional de Colombia

Robust Asynchronous and Network-Independent Cooperative Learning



LXAI POSTER PRESENTERS

**JOHAN SAMIR
OBANDO CERON**

UAO

**JAVIER ANDRÉS
ORDUZ-DUCUARA**

UNAM

PABLO D PINO

Pontificia Universidad
Católica de Chile)

**ENRIQUE J
ARRIAGA-VARELA**

Stroly Inc.

**EDUARDO ULISES
MOYA**

Gobierno de Jalisco

**LAUREN M
PFEIFER**

MGV

Revisiting Rainbow: Promoting more
insightful and inclusive deep
reinforcement learning research

Quantum Machine Learning concepts and
applications

Inspecting state of the art performance
and NLP metrics in image-based medical
report generation

Automatic Georeferencing of Map Images
Using Unsupervised Learning and Graph
Analysis

A Quaternion Monogenic Layer Resilient
to Large Brightness Changes in Image
Classification

Automatic Detection and Classification of
Tick-borne Skin Lesions using Deep
Learning

LXAI POSTER PRESENTERS

FELIPE MAIA POLO

University of São Paulo &
Advanced Institute for
Artificial Intelligence

Covariate Shift Adaptation in High-Dimensional and Divergent Distributions

IVAN VLADIMIR MEZA RUIZ

Instituto de
Investigaciones en
Matemáticas Aplicadas y
en Sistemas, UNAM

Towards forensic speaker identification in Spanish using triplet loss

ARIEL RUIZ- GARCIA

Seechange.ai

Self-Supervised Transformers for Activity Classification using Ambient Sensors

JAVIER DE LA ROSA

UNED

Predicting metrical patterns in Spanish poetry with language models

ALBERT M OROZCO CAMACHO

Mila - Québec AI
Institute, McGill University

Graph Neural Networks Learn Twitter Bot Behaviour

WORKSHOP ORGANIZERS

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