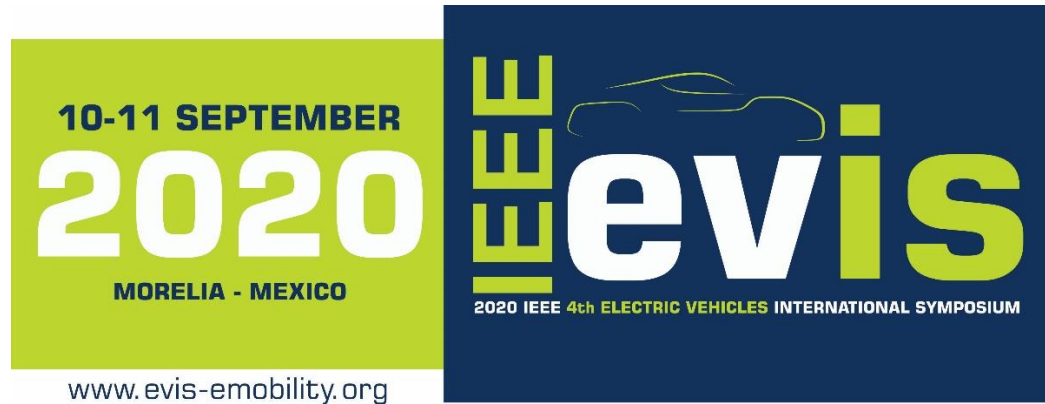


Virtual Conference Program

10-11 September 2020



IEEE EVIS-2020

Electric Vehicles International Symposium

2020 | VIRTUAL CONFERENCE

Theme: “Designing the future of E-mobility”

Day 1, 2 and 3 (7th-9th September)
Pre-conference activities

Days 4 and 5 (10th-11th September)
International Virtual Conference

Virtual Conference Program

10-11 September 2020

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Intelligent Energy Systems Group (IES-Group)

Consolidated Academic Body UMSNH-CA-103

INDUSTRIAL PARTNERS:

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16:00 – 18:00	Short course	Short course	Short course
	7th September	8th September	9th September
16:00 – 18:00	Design of an electricity energy meter using ESP32 and Arduino	Design of an electricity energy meter using ESP32 and Arduino	Design of an electricity energy meter using ESP32 and Arduino
	<i>Instructor:</i> M.Sc. Félix Jiménez Pérez, UMSNH.	<i>Instructor:</i> M.Sc. Félix Jiménez Pérez, UMSNH.	<i>Instructor:</i> M.Sc. Félix Jiménez Pérez, UMSNH.

10:45 – 11:00

Opening Ceremony

Conference remarks, Dr. Norberto Garcia Barriga, Conference Chairman.

Introductory remarks, Dr. Fernando Ornelas Téllez, Chair of the VTS professional Chapter, IEEE Centro Occidente Section.

Welcome message, Dr Abbas Jamalipour, VTS President, IEEE

Welcome remarks, Dr. José Luis Gil Vázquez, Director of the Instituto Tecnológico de Morelia

Opening remarks, Dr. Raúl Cardenas Navarro, Principal of the Universidad Michoacana de San Nicolás de Hidalgo.

Chair: Dr. Nandini Barbosa Cendejas, UMSNH.

11:00 – 12:00

Plenary Session 1

Smart Electric Vehicle Energy Prediction and Management using Deep Learning

Lecturer: Dr. Yue-Yun Wang, General Motors Research and Development, USA.

Chair: Dr. Edgar Lenymirko Moreno Goytia, Instituto Tecnológico de Morelia.

12:00 – 13:00

Paper Session

Chair: Dr. Manuel Madrigal Martínez, Instituto Tecnológico de Morelia.

12:00 – 12:20

Data-Based Modeling for a Renewable-Based Generation Electric Cars Charging Station

Serafin Ramos-Paz, Fernando Ornelas-Tellez and J. Jesús Rico Melgoza

Faculty of Electrical Engineering, UMSNH, Morelia.

12:20 – 12:40

Optimal charging strategies for the integration of electric vehicles fleets in electric power networks

Norberto García-Barriga and Hugo Eduardo Vega-Ayala

Faculty of Electrical Engineering, UMSNH, Morelia, National Energy Control Center of Mexico

12:40 – 13:00 A Survey on Smart Metering Blockchain to E-Mobility

Juan Carlos Olivares-Rojas, Enrique Reyes-Archundia, José Antonio Gutiérrez-Gnecchi and Ismael Molina Moreno
Instituto Tecnológico de Morelia, Morelia

13:00 – 14:00 Special Session on Industry Activity

Chair: Dr. Fernando Ornelas Téllez, Universidad Michoacana de San Nicolás de Hidalgo.

13:00 – 13:20 Battery swap, a new mobility solution

Armando Ortiz Martínez and Alejandro Arriaga Vargas, CITIO.

13:20 – 13:40 BMWi Pioneering Mobility

LM. Joaquin Esteban Avalos Domínguez, BMW

13:40 – 14:00 Zacua: a vehicle that speedup the future

Nazareth Black and Eduardo Pérez, ZACUA

14:00 – 14:20 Servicio público de la distribución de energía eléctrica para la recarga de vehículos eléctricos

Ing. Marcelino Torres Vázquez, CFE-Distribución

16:00 – 18:00 Short Course

Design of an electricity energy meter using ESP32 and Arduino

Instructor: M.Sc. Félix Jiménez Pérez, Universidad Michoacana de San Nicolás de Hidalgo.

10:30 – 11:30

Plenary Session 2

Electric Mobility on University Campuses: CU-UNAM

Lecturer: Dr. César Angeles Camacho, Universidad Nacional Autónoma de México, México.

Chair: Dr. Jaime Cerda Jacobo, Universidad Michoacana de San Nicolás de Hidalgo.

11:30 – 13:00

Roundtable Session

Towards a sustainable and smart transistmic dry canal project

Chair: B.Eng. Guillermo Carrión, Energía y Tecnología CARRIHER, México.

Panel:

- MBA. Francisco Rios, Director Regional para Latinoamérica, Enterprise Singapore
- Dr. Alberto Jaime Paredes, Instituto de Ingeniería, UNAM
- Ing. Guillermo Chavez Zarate, UNAM
- M.Sc. Jesús González Flores, Subdirector de Soporte de Ingeniería de la Operación, CENACE
- Dr. Claudio Rubén Fuerte Esquivel, Facultad de Ingeniería Eléctrica, UMSNH

13:00 – 14:00

Plenary Session 3

Towards a Mexican electrical transportation ecosystem: A proposal

Lecturer: Dr. Alejandro Covarrubias Valdenebro, El Colegio de Sonora, Itiam/Apta Networks, México.

Moderator: Dr. Fernando Martínez Cárdenas, Instituto Tecnológico de Morelia.

14:00 – 14:15

Closing Ceremony

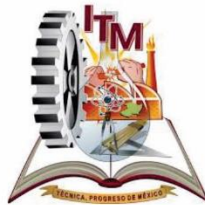
16:00 – 18:00

Short Course

Design of an electricity energy meter using ESP32 and Arduino

Instructor: M.Sc. Félix Jiménez Pérez, Universidad Michoacana de San Nicolás de Hidalgo.

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Virtual Conference Program

10-11 September 2020

Morelia, México



It is our pleasure to announce that the 2020 IEEE Electric Vehicles International Symposium will be hosted by the Universidad Michoacana de San Nicolás de Hidalgo in the city of Morelia in México, on the 11th-12th September 2020.

The title of IEEE EVIS-2020 is "Designing the future of E-mobility" and it will focus on the application of Deep-Learning algorithms for energy management systems, optimal charging strategies in electric power networks, clean energy to be used in electric vehicles and smart metering. In addition, we will also welcome contributions from experts and speakers from industry.

This document was updated 1st of September 2020.

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