

# AIAA Houston Section Douglas Yazell: Diversity, Climate, History, and 3 Sister Sections: France, Ethiopia Peru; Saturday, 3/19/2022

## Weekly Status, Douglas Yazell

Views expressed in this document are opinions of the author and do not necessarily reflect views of AIAA.

The Starry Night, 1889,  
Vincent van Gogh.  
Image credits:



WIKIPEDIA  
The Free Encyclopedia

**Guardian staff and agencies**

► Fri 11 Mar 2022 19:38 EST

### Texas Judge blocks Texas from investigating parents of transgender children

The halt follows an ACLU lawsuit that accused Greg Abbott of trampling 'on the constitutional rights of transgender children'



**Victoria Bekiempis and agencies**

► Sat 12 Mar 2022 14:13 EST

### Florida 'Don't Say Gay': Disney clashes with DeSantis over Florida bill

Entertainment giant suspends political donations as CEO apologises for silence and governor hits back with 'communist' barb



### Meet NASA's Jacky Silva-Martinez, Gateway Program Human Systems Integration Lead

March 10, 2022



Johnson Space Center



This weekly document, my status report, is published here. The full link is:  
[www.aiaahouston.org/history\\_technical\\_committee/#news](http://www.aiaahouston.org/history_technical_committee/#news)

## Slide 2-Diversity

Slide 3-Climate-"... net zero ... by 2050 requires the ultimate sense of urgency." [AIAA, April 2021]

Slide 4-AIAA Houston Section International Activities Committee (IAC)

Slide 5-AIAA Houston Section **France**-USA Sister Sections




Slide 6-AIAA Houston Section **Ethiopia**-USA Sister Sections

Slide 7-AIAA Houston Section **Peru**-USA Sister Sections

Slide 8-**Mexico**-AIAA Region IV is Mexico, Texas, Oklahoma, Arkansas, and New Mexico

Slide 9-Mexico-In AIAA Mexico is part of Region IV and paired with AIAA Houston Section

Slide 10-AIAA Houston Section **History** technical committee



### Summer Institute for Sustainability & Climate Change

Building & Mentoring a Diverse Workforce Ready to Solve The Grand Challenges of 2050!

**When?**  
June 20 – August 1, 2022. On-campus Experience.

**Benefits**  
□ Earn a Certificate in Sustainability & Climate Change  
□ K-12 Students get a free laptop  
□ Acquire skills required for your next phase of career.  
□ Funding & unique opportunities from ONR-Navy, NASA, Industries, HBCUs, Hispanic serving institutes and Purdue.



**Audience**  
□ K-12 students, Undergraduate, Graduate Students, High School Students, and K-12 Teachers.  
□ First Generation in College, Minority, Women, LBGT are highly encourage to apply. The nation cannot afford to miss any talent.

**Application**  
Complete short application form and include 2 pages resume

**For more info, contact us**  
Prof. Luciano Castillo (lcastillo@purdue.edu)  
Prof. Mirian Velay-Lizancos (mvelayli@purdue.edu)  
ONR-BIP Sustainability & CC Cluster (bip-sustainability@purdue.edu)

**Conference: July 29- August 1.**  
□ Scholarship: Stipend, Food-housing included and fun activities.  
□ Work with world-class Professors, then and have the choice to train like Marines, **Yes bring your Body & Mind to the next level!**  
□ Publish a Paper, Scholarships, Awards for Best Presentations at Conference.

□ Speakers and attendees from ONR, NASA, HBCUs, Hispanic serving institutes, Purdue, Minority Own Companies, 500 Companies.



## Diversity and Inclusion

Douglas Yazell, Jackelynn Silva-Martinez

AIAA Houston Section Annual Technical Symposium 2021



Douglas Yazell and David Hanson  
Making Their Presentation  
"The Climate Crisis"  
For the Same Event (AIAA HS ATS 2021)  
Event Postponed to March or May 2022  
So This Venue Was  
SpaceGeekSpeak

<https://youtu.be/ELHojaHCBY8>

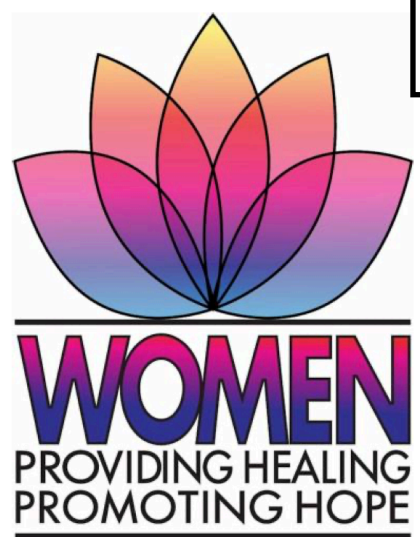


## Goals and Objectives

**GOAL 1: DIVERSITY AND INCLUSION ARE WIDELY RECOGNIZED WITHIN THE AIAA COMMUNITY AS ESSENTIAL TO THE MISSION AND VISION OF THE INSTITUTE.**

The 2021-2023 AIAA Diversity Plan

**OBJECTIVE 1:**  
Increase awareness within the AIAA community of the importance of diversity and inclusion.

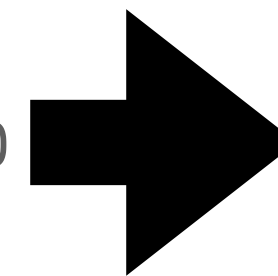


2022

National Women's History Month 2022

<https://womenshistorymonth.gov>

2020



TOC

Diversity

## How the top tech brands are supporting Black Lives Matter

**techradar** THE SOURCE FOR TECH BUYING ADVICE

By David Lumb published September 11, 2020

Apple, Google, Microsoft, Amazon, and more companies' commitments to Black Lives Matter and racial justice

**Fight to vote US voting rights**

## 'It's a scare tactic': Pamela Moses, the Black woman jailed over voting error, speaks out

**Sam Levine**

► Fri 11 Mar 2022 01.00 EST

**The Guardian**  
For 200 years

**Exclusive:** Longtime activist who still faces the possibility of a retrial tells the Guardian she believes she's being 'persecuted' for being outspoken

**Walt Disney Company**

## Disney accused of removing gay content from Pixar films

**The Guardian**  
For 200 years

Accusation from Pixar employees comes after company refused to take public stand against controversial 'Don't Say Gay' bill

**Andrew Pulver**

► @Andrew\_Pulver

► Fri 11 Mar 2022 09.20 EST

## Guatemala increases punishment for abortions and bans same-sex marriage

**The Guardian**  
For 200 years

Congress passes law targeting LGBTQ+ community, while women now face up to 10 years in prison for terminating pregnancies

**AP in Guatemala City**

► Wed 9 Mar 2022 15.37 EST

## Texas abortion ban forcing thousands to cross state lines for procedure - study

**Maya Yang**

► Wed 9 Mar 2022 06.00 EST

An average of 1,400 Texas women traveled each month between September and December 2021 for abortion services

**The Guardian**  
For 200 years



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CLIMATE CHANGE



Jet Propulsion Laboratory  
California Institute of Technology

## Thawing Permafrost Could Leach Microbes, Chemicals Into Environment

March 9, 2022

Climate crimes Climate crisis

## How oil companies rebranded deceptive climate ads as 'free speech'

In two dozen climate liability cases, companies are arguing that their public statements about climate change are not 'deceptive' so much as persuasive - and protected free speech

The Guardian  
For 200 years

Amy Westervelt

Twitter: @amywestervelt

► Thu 10 Mar 2022 06.00 EST

US military

The Guardian  
For 200 years

Iffah Kitchlew

Thu 10 Mar 2022 02.00 EST

## Is super-polluting Pentagon's climate plan just 'military-grade greenwash'?

US military aims for net zero by 2050 but with a carbon footprint greater than some 140 countries critics say it needs radical change

GLOBAL TEMPERATURE

↑ 1.18 °C since 1880

1/15/2022



GLOBAL CLIMATE CHANGE  
Vital Signs of the Planet

CARBON DIOXIDE

↑ 418 parts per million (current)

GLOBAL TEMPERATURE

↑ 1.01 °C since 1880

ARCTIC SEA ICE EXTENT

↓ 13.0 percent per decade since 1979

ICE SHEETS

↓ 427 billion metric tons per year

SEA LEVEL

↑ 3.4 millimeters per year

OCEAN HEAT ADDED

↑ 337 zettajoules since 1955

GLOBAL TEMPERATURE

↑ 1.01 °C since 1880

0.85 - (-0.16) 1/20/2022<sup>3</sup>

Oliver Milman

Twitter: @olliemilman

► Fri 11 Mar 2022 02.00 EST

TOC

Climate

The Guardian  
For 200 years

US news

## 'Defining moment': how can the US end its dependency on fossil fuels?

Democrats hope climate measures in Build Back Better will be resurrected amid Russia's invasion of Ukraine - but green groups want Biden to go even further

The Guardian  
For 200 years

US news

## 'I can't move my car': Americans struggle as vehicle expenses rise

Owning and operating a car is getting more expensive in the US - but the largely ineffective public transport means many have little choice but to use cars

Adam Gabbatt in Allentown, Pennsylvania

Twitter: @adamgabbatt

► Sun 13 Mar 2022 05.00 EDT

The Guardian  
For 200 years

## A megalopolis of engineering: the verdict on London's £18bn new Elizabeth line

From Brexit and Covid to the war in Ukraine, the world has changed dramatically since work began on the Crossrail project. With its opening imminent, our architecture critic takes a ride

by Rowan Moore

Escalators to the new Elizabeth line platforms at Paddington station. Photograph: Chris Bevan Lee / Crossrail Project

► Sun 13 Mar 2022 03.00 EDT

[Downloaded Friday, March 10, 2022]



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France

Ethiopia

Peru

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## AIAA Houston Section sister sections

France-USA: [www.3af-mp.fr](http://www.3af-mp.fr)

France: Francis Guimera, preceded by Alain Chevalier

Houston: Douglas Yazell

AIAA Houston Section International Activities Committee (IAC)

Chair: Douglas Yazell, [douglas.yazell@me.com](mailto:douglas.yazell@me.com)

Ethiopia-USA:

Ethiopia: Tulu Besha Bedada, PhD and Berhan Gessesse, PhD

Houston: Thomas Haregot

Peru-USA:

Houston: Jackelynne Silva-Martinez

Peru: Julio Valdivia, Saul Perez

[alain.chevalier31@yahoo.fr](mailto:alain.chevalier31@yahoo.fr)

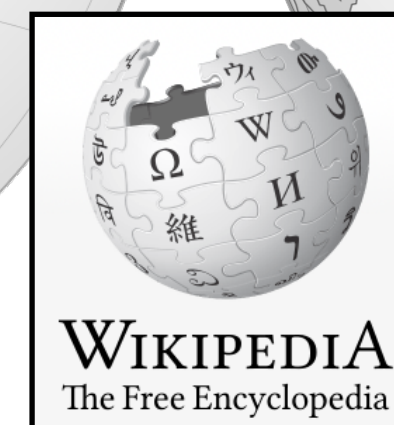
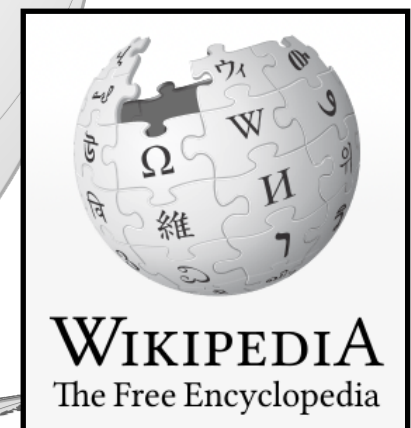
[francis.guimera@orange.fr](mailto:francis.guimera@orange.fr)

[douglas.yazell@me.com](mailto:douglas.yazell@me.com)

[tulubesha@yahoo.com](mailto:tulubesha@yahoo.com)

[tharegot@gmail.com](mailto:tharegot@gmail.com)

[jackysumac@yahoo.com](mailto:jackysumac@yahoo.com)





# AlAA Houston Section Douglas Yazell: Diversity, Climate, History, and 3 Sister Sections: France, Ethiopia Peru; Saturday, 3/19/2022

Ami(e) Internaute,

Ce 157ème diaporama est le cinquième d'une série sur l'armée de l'Air en Algérie de 1945 à 1962. Il concerne les GC I/9 Limousin, GC II/5 Île-de-France, GC I/1 Provence et II/1 Nice.

Faites le circuler sans restriction !

Merci aux propriétaires des photos dont les noms apparaissent entre parenthèses.

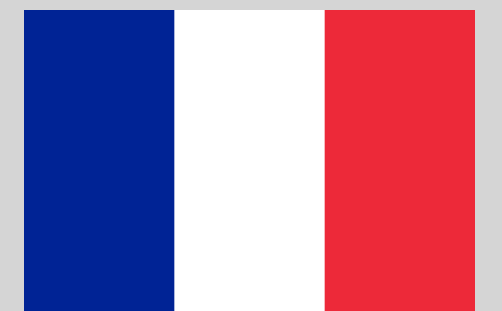
Pour l'histoire de l'aviation en Algérie que je réalise, je recherche des photos, des documents, des récits et des témoignages, merci d'en parler autour de vous.

N'hésitez pas à me demander les diaporamas précédents. Bien cordialement. Pierre Jarrige.

Jarrige31@orange.fr <http://www.aviation-algerie.com>

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France



La Sénia, novembre 1947 – *Spitfire* du GC I/1 Provence



(Henri Douchet)



Thanks to Philippe Mairet for mailing this presentation (#157) to me on March 11, 2022.

[Douglas Yazell, [douglas.yazell@me.com](mailto:douglas.yazell@me.com)]



# AIAA Houston Section Douglas Yazell: Diversity, Climate, History, and 3 Sister Sections: France, Ethiopia Peru; Saturday, 3/19/2022



Taken on February 15, 2014

Some rights reserved

Above: Bet Giorgis - Lalibela. This is probably the most famous of the churches in Lalibela, - St George, an incredible building. [Jim, on Flickr, <https://flic.kr/p/kyUdaZ> ]



Taken on November 1, 2007

Some rights reserved

Left: St. George Astride His Horse, Bet Giorgis, Lalibela, Ethiopia. [Alan, on Flickr, <https://flic.kr/p/5YPjGd> .]



Taken on November 1, 2007

Some rights reserved

Above: The Vanquished Dragon, Bet Giorgis (Church of St. George), Lalibela, Ethiopia. [Alan, on Flickr, <https://flic.kr/p/5YKqHD> .]



Above: Bet Giorgis. Looking up from the base of Bet Giorgis. [Jim, on Flickr, <https://flic.kr/p/kCSjNh> .]



Taken on November 1, 2007

Some rights reserved

Below: The Gold Cross, Lalibela, Ethiopia. A priest in the rock-hewn Church of Bet Medhane Alem displays one of the most precious religious objects in Lalibela, if not all of Ethiopia: a 7 kilogram (15.4 pound) gold cross in the Lalibela style. [Alan, on Flickr]





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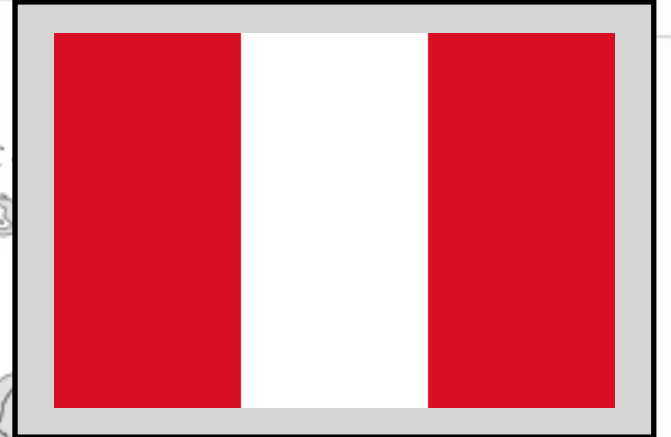


Taken on January 26, 2021

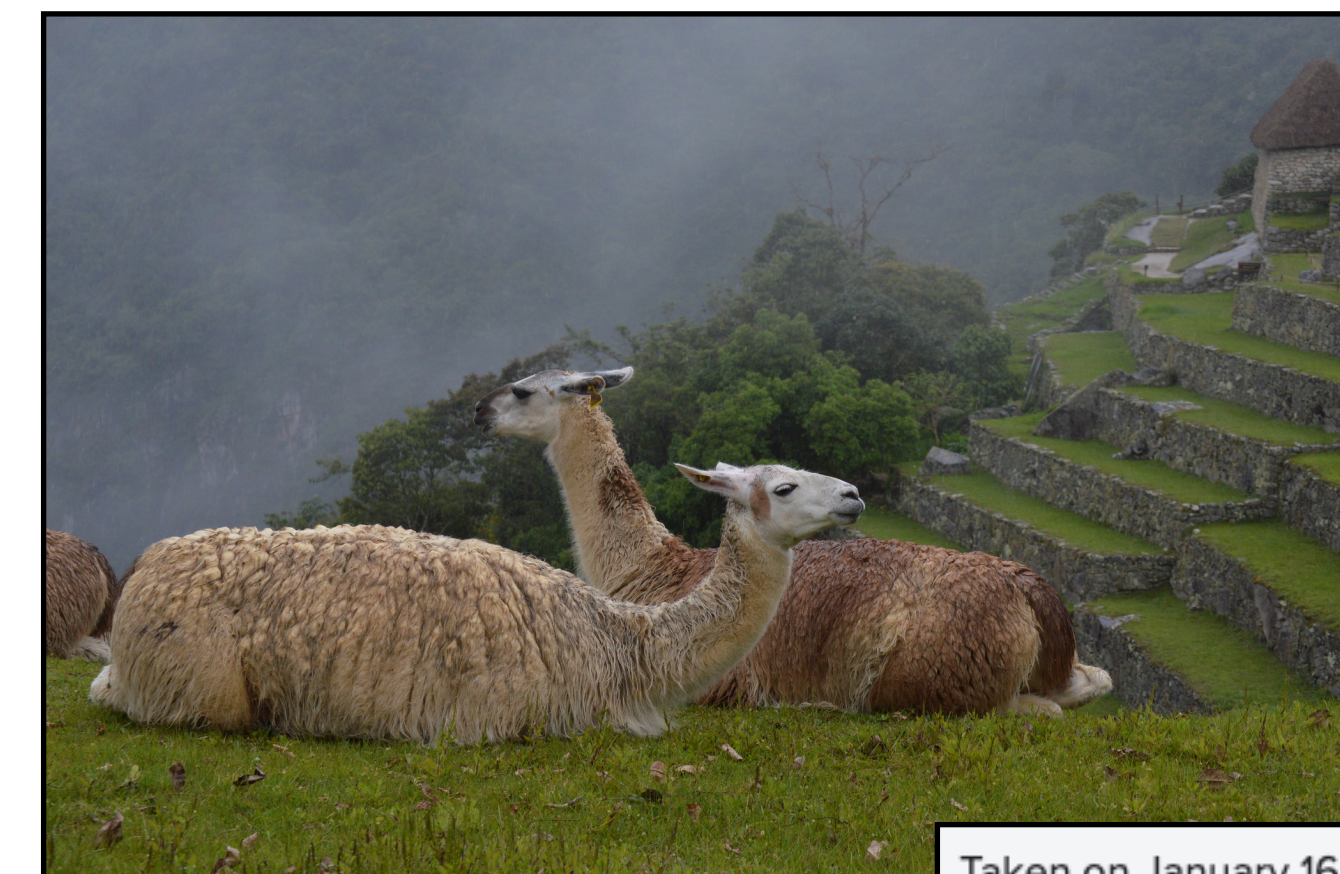
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Peru

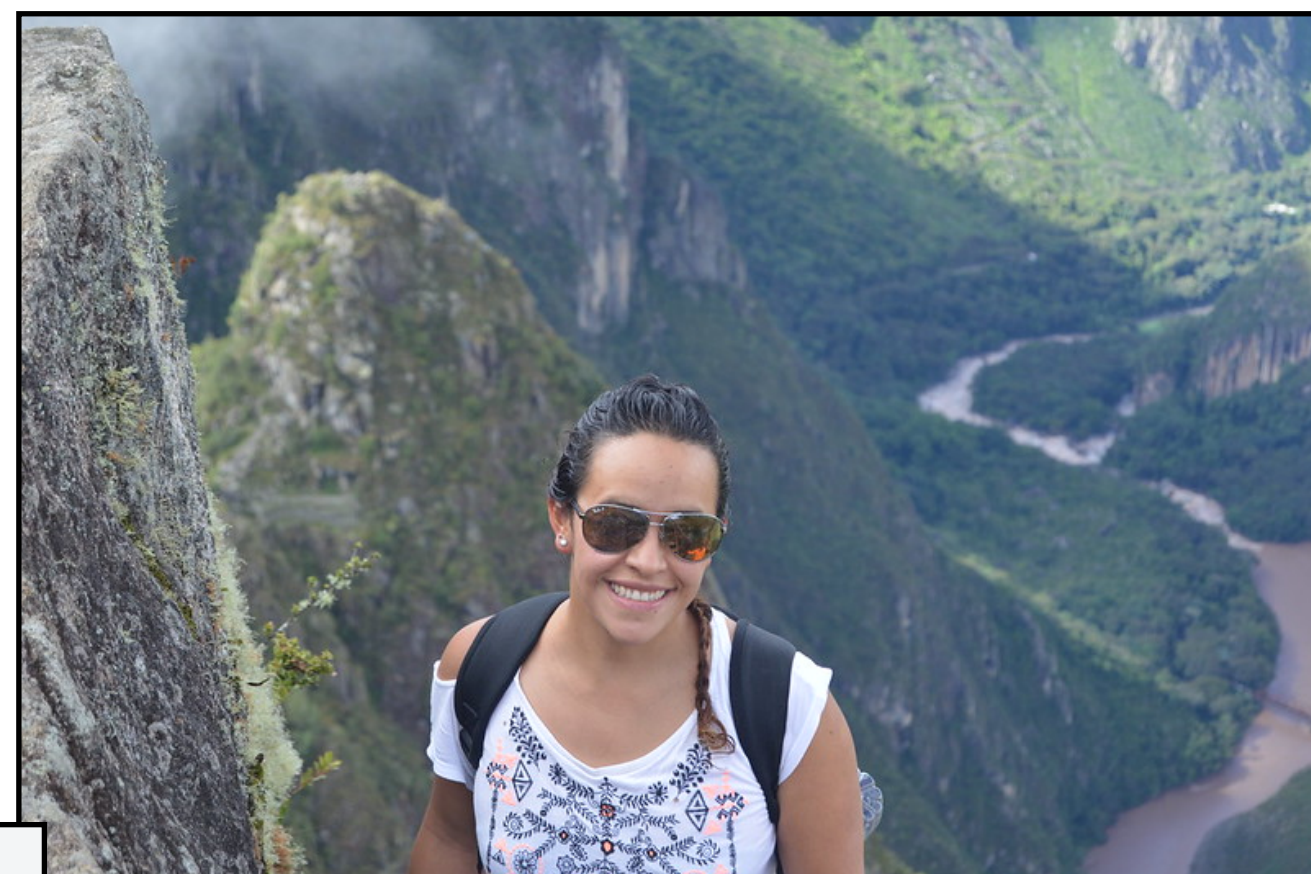


Above: The coast of Peru in South America is pictured from the International Space Station as it orbited 263 miles above the Pacific Ocean. [NASA Johnson, on [Flickr](#)]



Taken on January 16, 2018

Some rights reserved



Above: Lara Danielle, on [Flickr](#).

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Current events: <https://www.theguardian.com/world/peru>.



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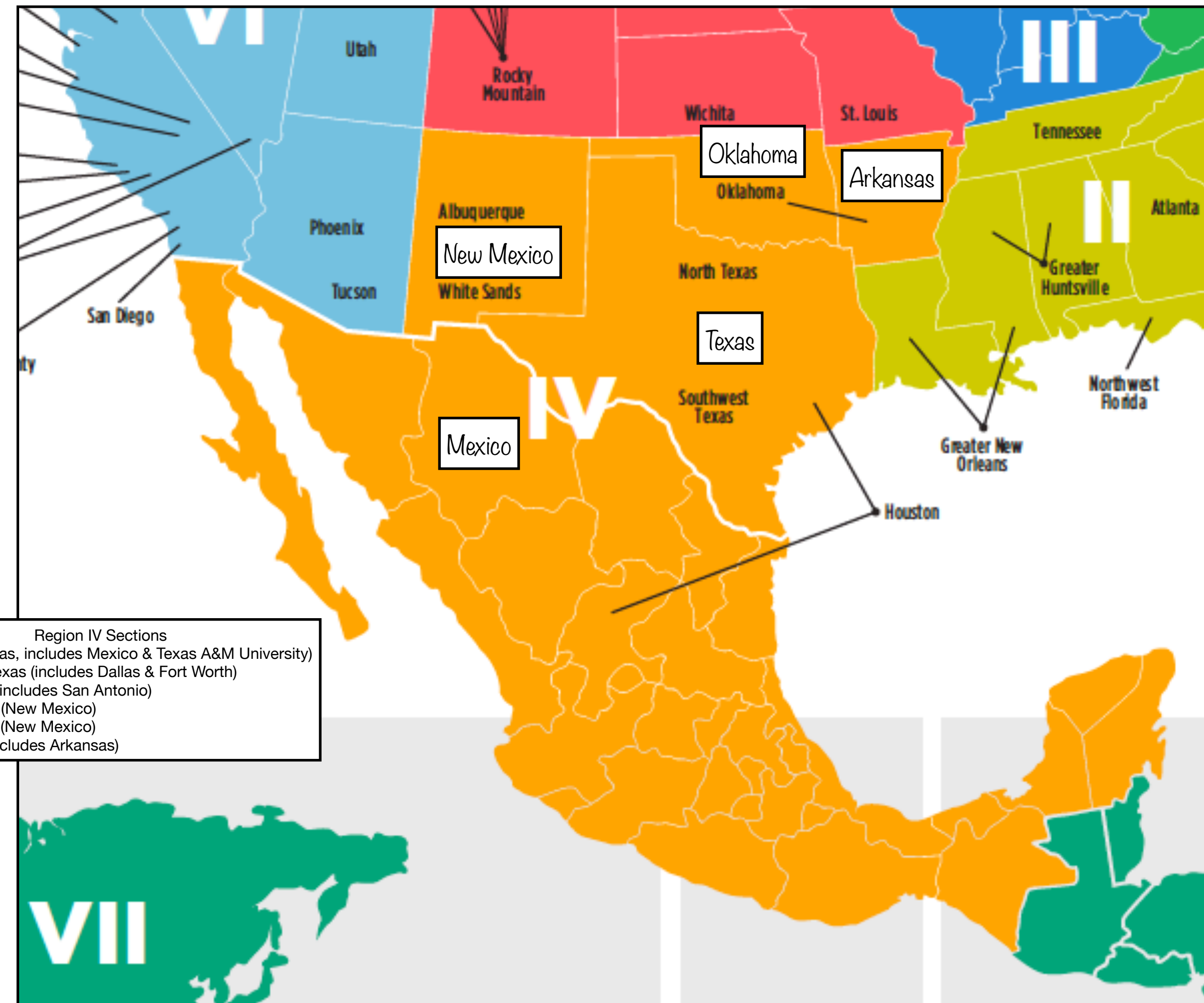
[TOC](#)

[Mexico](#)



AIAA Houston Section: Mexico and the Section's territory in Texas

AIAA Region VII (International) and Region IV (Mexico and four states of the USA)



- Region IV Sections
1. Houston (Texas, includes Mexico & Texas A&M University)
  2. Southwest Texas (includes Dallas & Fort Worth)
  3. North Texas (includes San Antonio)
  4. Albuquerque (New Mexico)
  5. White Sands (New Mexico)
  6. Oklahoma (includes Arkansas)



# Mexico News Daily

Paywall after a few free articles



## Once considered radical, former president Benito Juárez now a national hero

He was an early defender of press and religious freedom and women's rights



By Leigh Thelmadatter

Published on Saturday, March 19, 2022

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Mexico



RICE UNIVERSITY'S  
**BAKER INSTITUTE**  
FOR PUBLIC POLICY



37 Minutes

Date Time: Mar 9, 2022 11:00 AM Central Time (US and Canada)

## ASSESSING MEXICO'S NATIONAL GUARD: THE IMPACT ON PUBLIC SAFETY IN MEXICO AND THE U.S.-MEXICO SECURITY RELATIONSHIP

The Guardian  
For 200 years

**Andrés Manuel López Obrador**

## Mexican president lashes out at EU 'lies' over his media-bashing rhetoric

Andrés Manuel López Obrador was urged to tone down his rhetoric by MEPs after a spate of journalist murders - he did the opposite

**Tom Phillips** *Latin America correspondent*

► Fri 11 Mar 2022 12.46 EST

The election of President Andrés Manuel López Obrador brought a populist political leader to power under a new political party (MORENA) with a nationalist agenda. One area that López Obrador sought to impact immediately was public safety, due to the insecurity and violence caused by transnational criminal organizations and Mexico's corrupt public safety institutions. Although he had promised to demilitarize the conflict and take the military out of its public safety role, he instead called for the creation of a new hybrid military/police National Guard that would lead the fight against organized crime.

López Obrador recently put the new National Guard under the authority of the Secretariat of Defense (SEDENA), essentially making it another branch of the military. The National Guard has also been assigned duties such as enforcing Mexico's southern border and stemming the flow of migrants from Central America; helping build new infrastructure, such as airports and tourist trains; protecting oil pipelines; and distributing vaccines.

At this presentation, nonresident scholar Richard Kilroy Jr. will assess the impact of Mexico's militarized National Guard on public safety. He will also address the U.S.-Mexico security relationship and whether security assistance provided to Mexico has in fact contributed to the militarization of the nation's public safety institutions.

Richard J. Kilroy Jr., Ph.D., is a nonresident scholar in the Baker Institute Center for the United States and Mexico. He is also an associate professor of politics at Coastal Carolina University in South Carolina, where he teaches courses in the Intelligence and National Security Studies degree program. Kilroy previously taught at East Carolina University, the Virginia Military Institute and National Defense University. He also worked as a defense contractor, teaching courses for the U.S. Air Force's Air War University and the U.S. Army's Special Warfare Center and School.

Prior to entering academia, Kilroy completed 23 years of active duty military service in the U.S. Army as a military intelligence and Latin America foreign area officer. He attended the Mexican Army Escuela Superior de Guerra while serving in the Defense Attaché Office in Mexico City. Kilroy also served as a political-military affairs officer in the U.S. Southern Command, Panama and was selected to be a special assistant to Generals Barry McCaffrey and Wes Clark.

Kilroy is editor of "Threats to Homeland Security: An All Hazards Perspective" (J. Wiley and Sons, 2018; 2007), co-editor of "Colonial Disputes and Territorial Legacies in Africa and Latin America" (Northeast Asian Historical Society, 2010) and co-author of "North American Regional Security: A Trilateral Framework?" (Lynne Rienner, 2012). He has also published articles on North American security, homeland security, Latin American defense issues and intelligence studies in numerous academic journals. Kilroy received a B.S. in political science from Santa Clara University and an M.A. and Ph.D. in foreign affairs from the University of Virginia.

MODERATOR

Jose Ivan Rodriguez-Sanchez, Ph.D.  
Research Scholar, Center for the United States and Mexico



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AIAA Houston Section History Technical Committee; Chair, Douglas Yazell

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History



## DISTINGUISHED SPEAKER SERIES

Presents

**“The Artemis Missions to Return to the Moon”**

**Carlos Garcia-Galan**  
NASA – Orion  
Program

March 11, 2022  
12:00 pm – 1:00 pm (Eastern)

## LIVESTREAM EVENT

Zoom Link:  
<https://aiaa.zoom.us/j/95849434644>  
+13017158592,,95849434644# US



### Abstract: “The Artemis Missions to Return to the Moon”

NASA's plans to take the first woman and next man to the surface of the Moon are in full swing. The Artemis missions represent an ambitious campaign to test new human and robotic deep-space systems, establish permanent and sustainable presence on the Moon, and stepping stone to go to Mars. This talk will provide an overview of the Artemis missions with focus on the role and development of the Orion spacecraft.

### Biography

Carlos is the Manager of the European Service Module (ESM) Integration Office, responsible for the overall integration of the ESA-developed ESM in Orion. Previously, Carlos served in various key technical and management roles for the Orion Program since 2010, including management of integrated spacecraft design and performance, mission analysis, cross-program integration and launch and flight operations support. Prior to joining Orion, Carlos was an International Space Station flight controller, where he supported multiple Shuttle-ISS assembly flights and ISS increment operations from Mission Control in Houston and in Korolev, Russia. Carlos also worked for Honeywell Space Systems as a technical lead developing vehicle health management technologies, including support to Lockheed Martin team during the initial development of the Orion spacecraft.

If you have any questions, contact: [aiaanos.diversity@gmail.com](mailto:aiaanos.diversity@gmail.com)

### SPACE

## Ukraine receives more Starlink internet access terminals in fight against Russia



**Emre Kelly**  
Florida Today

Published 12:25 p.m. ET March 11, 2022

florida today

### Mississippi

## Uproar as Mississippi signs bill to limit discussions of race in school lessons

Bill signed by Republican governor sparks opposition from Black lawmakers who say it will quash debate on racism's harmful effects

The Guardian  
For 200 years

Guardian staff and agencies

► Mon 14 Mar 2022 20.00 EDT

## Saturday Night Live Star Pete Davidson to Fly on Blue Origin's 20th Mission Alongside Five Customers

March 14, 8:30 AM CDT / 12:30 UTC

BLUE ORIGIN

Blue Origin today announced the crew flying on its upcoming NS-20 flight on March 23 will include Marty Allen, Pete Davidson, husband and wife duo Sharon and Marc Hagle, Jim Kitchen, and Dr. George Nield.

### Environment

## Fears for bees as US set to extend use of toxic pesticides that paralyse insects

**Oliver Milman**

12:30 UTC Tuesday, 08 March 2022

The Guardian  
For 200 years

EPA to approve plan for four types of neonicotinoid chemical to be used on US farmland - despite being banned in Europe

### Exploration

## Lost and found: the extraordinary story of Shackleton's Endurance epic

Vessel located more than a century after it sank on voyage of exploration in the Antarctic

**Harriet Sherwood**

@harrietsherwood

► Wed 9 Mar 2022 13.06 EST

The Guardian  
For 200 years

flickr

Climate Action Plan  
Fort Collins Colorado USA

