



**Flying Physicians Association
Medical-Aviation Program
Embassy Suites Huntsville**

FRIDAY, MAY 17, 2024

6:30 pm – 7:30 pm	WELCOME RECEPTION & REGISTRATION	Co-Op
--------------------------	---	-------

SATURDAY, MAY 18, 2024

7:00 am – 8:00 am	COMPLIMENTARY HOT BREAKFAST <i>Included for hotel guests</i>	
--------------------------	--	--

7:00 am – 12:00 pm	RIGHT FRONT SEATER HOSPITALITY SUITE OPEN	Big Spring A
---------------------------	--	--------------

7:50 am – 8:00 am	WELCOME / ANNOUNCEMENTS <i>Michael Boyer</i>	Big Spring BCD
--------------------------	--	----------------

8:00 am – 9:00 am	INCAPACITATING SPATIAL DISORIENTATION: SUSCEPTIBILITY TO VISUAL VECTION IN AN ASTRONAUT, TEST PILOT AND EVEN MEDICAL DOCTORS (Medical/Aviation) <i>Angus Rupert</i>	Big Spring BCD
--------------------------	---	----------------

After presentation, participants should be able to:

- Understand the visual illusion of vection experienced by Neil Armstrong
- Understand the need for better tests of vestibular function for special operations personnel
- Understand the need for multisensory cueing to prevent spatial disorientation.

9:00 am – 10:00 am	UPDATES IN FAA AEROMEDICAL CERTIFICATION POLICY (Medical/Aviation) <i>Charles Mathers</i>	Big Spring BCD
---------------------------	---	----------------

After presentation, participants should be able to:

- Apply the latest updates in FAA aeromedical certification policy, including topics such as weight loss medication, CLL, COPD and more

9:00 am – 11:30 am	RFS OPTIONAL ACTIVITY: ART JOURNALS (addtl \$)	Big Spring A
---------------------------	---	--------------

10:00 am – 10:15 am	BREAK	Foyer
----------------------------	--------------	-------

10:15 am – 11:15 am	FROM THE OR TO THE COCKPIT- WHAT CAN AVIATION SAFETY TEACH US ABOUT MEDICINE (AND VICE VERSA) (Medical/Aviation) <i>Tyler Kirby</i> After presentation, participants should be able to: <ul style="list-style-type: none"> - Identify safety measures in aviation that can translate to the medical arena - Identify safety measures from medicine that can improve aviation safety 	Big Spring BCD
11:15 am – 12:15 pm	PSYCH PANEL: POST TRAUMATIC STRESS DISORDER (Medical) <i>Richard Shelton, Janaki Nimmagadda, Jennifer Lockman</i> After presentation, participants should be able to: <ul style="list-style-type: none"> - Discuss Post Trauma Stress Disorder - Describe available psychological treatment options and considerations for co-occurring conditions of PTSD and Suicide Risk. - Distinguish PTSD symptoms from Moral Injury 	Big Spring BCD
12:45 pm – 4:00 pm	OPTIONAL ACTIVITY: LOWE MILL OUTDOOR MARKET (additional \$)	
7:00 pm – 8:30pm	STUMP THE IA & AIRCRAFT CYLINDERS: ENDOSCOPY AND MINIMALLY INVASIVE THERAPY (Aviation Only) <i>Mike Busch</i> <i>Drinks & Snacks provided</i>	Big Spring BCD
SUNDAY, MAY 19, 2024		
7:00 am – 8:00 am	COMPLIMENTARY HOT BREAKFAST <i>Included with room rate</i>	
7:00 am – 12:00 pm	RIGHT FRONT SEATER HOSPITALITY SUITE OPEN	Big Spring A
7:50 am – 8:00 am	WELCOME / ANNOUNCEMENTS <i>Michael Boyer</i>	Big Spring BCD
8:00 am – 9:00 am	RFS ACTIVITY: BODY EVOLUTION (mobility/yoga)	Big Spring A
8:00 am – 9:00 am	GOALS OF CARE CONVERSATIONS WITH THE AGING PILOT (Medical/Aviation) <i>Rachel Mathers (Virtual presentation)</i> After presentation, participants should be able to: <ul style="list-style-type: none"> - Discuss goals of care with an aging pilot 	Big Spring BCD
9:00 am – 10:00 am	WHEN ARE YOU TOO OLD TO FLY? (Medical/Aviation) <i>Victor Vogel</i> After presentation, participants should be able to: <ul style="list-style-type: none"> - Identify medical issues facing the older pilot. - Review practical steps to maintain proficiency in the older pilot. - Discuss ways to maintain safety in the flying done by the older pilot. 	Big Spring BCD

10:00 am – 12:00 pm	RFS ACTIVITY: ABSTRACT ART WITH MATICES DE COLORES ARTS (additional \$)	100 Jefferson St N. #239
10:00 am – 10:15 am	BREAK	Big Spring BCD
10:15 am – 11:15 am	DISCOVER THE SECRETS TO HAPPINESS WITH FIVE BASIC PRINCIPLES! (Medical) <i>Tarak Vasavada</i> After presentation, participants should be able to: <ul style="list-style-type: none"> - What are the advantages of being happy? - Where does happiness come from? Is it based on Genetics, Circumstances, or Intentional? - Follow Vasavada's W's: Road to Happiness 	Big Spring BCD
11:15 am – 12:15 pm	THINKING ABOUT THE UNTHINKABLE (Aviation Only) <i>Bruce Landsberg</i>	Big Spring BCD
12:45 pm – 3:00 pm	OPTIONAL ACTIVITY: US VETERANS MEMORIAL MUSEUM (additional \$)	
3:15 pm – 5:00 pm	OPTIONAL ACTIVITY: BULLET & BARREL SHOOTING RANGE (additional \$)	
MONDAY, MAY 20, 2024		
7:00 am – 8:00 am	COMPLIMENTARY HOT BREAKFAST <i>Included with room rate</i>	
7:00 am – 12:00 pm	RIGHT FRONT SEATER HOSPITALITY SUITE OPEN	
8:00 am – 9:00 am	RFS OPTIONAL ACTIVITY: YOGA/MOBILITY (included)	
7:15 am – 8:00 am	COFFEE TALK: MEDICAL ECONOMICS - UPDATE ON THE ECONOMY; TAX LAW SETTING IN 2026 (Non-CME) <i>Walter "Chip" May</i> After this presentation, participants should be able to: <ul style="list-style-type: none"> - Understand the current economy; inflation; Federal Reserve action to reduce inflation below 2% and current Debit Tsunami - Prepare for the tax law sunset in 2026 back to 2017 	Big Spring BCD

8:00 am – 9:00 am	MEDICATION ASSISTED TREATMENT FOR OPIOID USE DISORDER AND ALCOHOL USE DISORDER (Medical) <i>Ken Austin</i>	Big Spring BCD
	<p>After presentation, participants should be able to:</p> <ul style="list-style-type: none"> - Recognize Opioid Use Disorder and Alcohol Use Disorder and discuss the treatments. - Interpret the data on overdose deaths in the US. - Manage pain treatment for the patient who is under treatment for Opioid Use Disorder and Alcohol Use Disorder. 	
9:00 am – 10:00 am	A LOOK OVER TIME AT THE FOUNDATIONS OF THE AEROSPACE HUMAN FACTORS FOR THE AVIATION AND SPACE ENVIRONMENTS FROM A SAFETY AND HUMAN PERFORMANCE PERSPECTIVE: PART I (Medical/Aviation) <i>Dwight Holland</i>	Big Spring BCD
	<p>After presentation, participants should be able to:</p> <ul style="list-style-type: none"> - Understand how group dynamics and culture can affect historic and more current complex aerospace systems - Realize how Fatigue Plays a Role in Human Performance in Aerospace Systems - Some Attributes of Situation Awareness Will be Introduced and Discussed 	
10:00 am – 12:30 pm	RFS OPTIONAL ACTIVITY: HUNTSVILLE BOTANICAL GARDENS (additional \$)	
10:00 am – 10:15 am	BREAK	Big Spring BCD
10:15 am – 11:15 am	AVAILABLE EFFECTIVE TECHNOLOGIES FOR LOWER BACK PAIN (Medical) <i>David Calkins</i>	Big Spring BCD
	<p>After presentation, participants should be able to:</p> <ul style="list-style-type: none"> - Be able to identify at least three key sources of lower back pain. - Become aware of available treatments of lower back pain. - Be able to appreciate the advantages of minimally invasive lower back pain treatments. 	
11:15 am – 12:15 pm	A CONTINUED LOOK OVER TIME AT THE FOUNDATIONS OF AEROSPACE HUMAN FACTORS FOR THE AVIATION AND SPACE ENVIRONMENTS: PART II (Medical/Aviation) <i>Dwight Holland</i>	Big Spring BCD
	<p>After presentation, participants should be able to:</p> <ul style="list-style-type: none"> - Review a Few Case Studies where Aerospace Human Factors went Badly - Why Designers of Aircraft and Avionics often have 	

	<p>had Trouble with Human Systems Integration</p> <ul style="list-style-type: none"> - How do we think about Situation Awareness? 	
12:15 pm – 1:15 pm	<p>LUNCH AVIATION PRESENTATION: USE OF THE JET STREAM & SKEWTLOGPRO CHARTS IN FORECASTING GENERAL AVIATION WEATHER (Aviation Only) <i>George Shehl</i></p> <p>After presentation, participants should be able to:</p> <ul style="list-style-type: none"> - Describe how the Jet Stream generates and predicts both favorable and hazardous flying conditions. - Describe how the SkewTLogPro charts are used to predict cloud bases, tops, icing and thunderstorm development 	Big Spring BCD
1:15 pm – 1:30 pm	BREAK	Big Spring BCD
1:30 pm – 2:30 pm	<p>THE HYBRID OPERATING ROOM IN TRAUMA CARE (Medical) <i>R. Stephen Smith</i></p> <p>After presentation, participants should be able to:</p> <ul style="list-style-type: none"> - Describe the development and evolution of hybrid operating room technology - Understand the technology, required resources and cost of a dedicated trauma hybrid operating room - Understand the value of the trauma hybrid operating room 	Big Spring BCD
2:30 pm – 3:30 pm	<p>NEUROPSYCHIATRIC EFFECTS OF COVID (Medical) <i>John Fanning</i></p> <p>After presentation, participants should be able to:</p> <ul style="list-style-type: none"> - Understand the pathophysiology of Acute COVID-19 - Understand the neuropsychiatric manifestations in COVID-19 and post-acute COVID-19 syndrome (PACS) "Long COVID" 	Big Spring BCD
3:30 pm – 3:45 pm	BUSINESS MEETING & AWARDS	Big Spring BCD
4:00 pm – 6:00 pm	<p>OPTIONAL MEET UP AT THE EMBASSY SUITES HAPPY HOUR (complimentary for hotel guests)</p>	
TUESDAY, MAY 21, 2024		
7:00 am – 8:00 am	<p>COMPLIMENTARY HOT BREAKFAST <i>Included with room rate for hotel guests</i></p>	
8:15 am – 11:00 am	OPTIONAL ACTIVITY: MARSHALL SPACE FLIGHT CENTER TOUR (NASA) (additional \$)	
11:30 am – 3:30 pm	OPTIONAL ACTIVITY: US SPACE & ROCKET CENTER (additional \$)	
6:30 pm – 8:00 pm	FAREWELL DINNER & BOOK SIGNING WITH NASA ASTRONAUT JAN DAVIS	Big Spring BCD