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**IEEE Galveston Bay Section**

**SPECIAL TECHNICAL PROGRAMS- ONLINE EVENT ONLY-ALL COMPLIMENTARY**

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***"SENSOR WEEK"***

1-TUESDAY, July 19th, 11:00 AM US-Central

**TOPIC:** [**Human-Robot Interaction and Human-Robot Teams**](http://ieee-sensors.org/wp-content/uploads/2017/08/Abstract-Lumelsky-DL-2017.pdf)

SPEAKER: Prof Vladimir Lumelsky, Professor Emeritus, University of Wisconsin-Madison, Madison, WI, USA

VTool Registration https://events.vtools.ieee.org/event/register/318482

Registration Deadline: July 17th, 5:00 PM US-Central

2-THURSDAY, July 21st, 11:00 AM US-Central

**TOPIC:** [**Wearable Computing Systems based on Body Sensor Networks: State-of-the-art and Future Research Challenges**](https://ieee-sensors.org/wp-content/uploads/2021/01/DL-Lecture-1_abstract_Giancarlo-Fortino.pdf)

SPEAKER: Prof. Giancarl Fortino, University of Calabria, Italy

VTool Registration https://events.vtools.ieee.org/event/register/318483

Registration Deadline: July 19th, 5:00 PM US-Central

3-FRIDAY, July 22nd, 11:00 AM US-Central

**TOPIC: "Mobile robot olfaction"**

SPEAKER: Prof Lino Marques, University of Coimbra, Portugal

VTool Registration https://events.vtools.ieee.org/event/register/318485

Registration Deadline: July 20, 2022, 5:99 PM US-Central

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***"POWER and ENERGY WEEK"***

1-TUESDAY- July 26th, 12:00 PM US-Central

**TOPIC: "New Challenges in Transportation Electrification, Powertrain Drives & New Power Electronics Architectures**"

SPEAKER: Dr Osama Mohammed, Distinguished Professor and Associate Dean of Research, Director of Energy Systems Research Laboratory. Florida International University

VTool Registration https://events.vtools.ieee.org/event/register/318812

Registration Deadline: Sunday, July 24th, 5:00 PM US-Central

2-THURSDAY-July 28th, 11:00 AM US-Central

**TOPIC: Grid Modernization: Technological Advancements Beyond Smart Grid**

SPEAKER: John McDonald, PE, IEEE Life Fellow

VTool Registration https://events.vtools.ieee.org/event/register/318560

Registration Deadline: July 26th, 5:00 PM US-Central

3-Saturday, July 30th, 11:00 AM US-Central

***TOPIC:  "Impact Analysis of EV load on Low-Voltage Distribution Systems".***

SPEAKER: Syed Rahman, Texas A&M University

 VTool Registration https://events.vtools.ieee.org/event/register/318561

Registration Deadline: Thursday July 28th , 5:00 PM US-Central

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**"ENGINEERING in MEDICINE and BIOLOGY WEEK"**

1-MONDAY- August 1st, 11:00 AM US-Central

***TOPIC: "An Effective Model for Early-Stage Healthcare Innovation".***

SPEAKER: Youseph Yazdi, Ph.D., MBA , Johns Hopkins School of Medicine

VTool Registration https://events.vtools.ieee.org/event/register/318909

Registration Deadline: July 30th, 5:00 PM US-Central

2-TUESDAY, AUGUST 2nd, 11:00 AM US-Central

***TOPIC: How Robotics are Revolutionizing Rehabilitation?***

SPEAKER: Prof Hermano Igo Krebs, Distinguished Speaker, Director MIT 77 lab

VTool Registration https://events.vtools.ieee.org/event/register/318839

De Registration Deadline: Saturday, July 30th, 5:00 PM US-Central

3-WEDNESDAY- August 3rd, 11:00 AM US-Central

***TOPIC: Robotics and Optical Fiber Sensors for Biomedical Engineering Applications***

SPEAKER: Prof Dr. Ansehmo Frizera, Federal University of Espirito Santo (Vitoria-ES, Brazil)

VTool Registration https://events.vtools.ieee.org/event/register/318835

Registration Deadline: Monday, Aug 1st, 5:00 PM US-Central

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**Additional Events**

**"Aerospace Week"** August 15th-August 20th

Presenters: Dr George C. Nield, President of Commercial Space Technologies, LLC,

 Charles DuSold, Boeing

 Walter Downing, Southwest Research Institute, Past President AESS

"**Robotics and Automation Week"** September 5th- September 10th

 Speakers being finalized

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Special Program Coordinator:

Dr Zafar Taqvi, Chair IEEE/Region 5 Galveston Bay Section Joint Technical Societies

[ Galveston Bay Section is the Winner of 2021 MGA Outstanding Small Section Award]

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