

Sponsored by  
The Houston Electrical League

**APRIL 15, 2020**





























Stafford Centre

10505 Cash Rd | Stafford, Texas

**No Cost to Attendees**

Breakfast, Lunch, Parking and Exhibitor Booths are all  
Complimentary

**SCHEDULE-AT-A-GLANCE**

	Rm 101 (25)	Rm 102 (25)	Rm 103 (50)	Rm 104 (25)	Rm 105 (25)	Ballroom A (50)	Ballroom B (100)
7:00 AM	Complimentary Continental Breakfast and Exhibitor Booths Open						
8:00 AM	 Relay event analysis: Understanding and analyzing electrical faults	 Mitigating EC Fan Harmonics to Achieve Energy Savings without Sacrificing Power Quality	 Cleaning Up Your Power System - How Harmonics and Distortions are Affecting Your Facility	 Grounding design approach which can reduce cost, meet UL requirements and improve field safety	 Resistance Grounding, the 2020 NEC and the State of the New IEEE Standard C57.32A	 The Harmonic Journey	 NEC 2020 updates
10:00 AM	 Explosion Protection at the Component Level	 What are Supraharmonics and Why They Should be a Concern	 A review of NGR and HRG (Neutral Grounding Resistors and High Resistance Grounding) standards including CSA, IEEE and IEC.	 Fundamentals of Proper Fuse Selection and Selected Coordination	 Emergency Power Connection Solutions	 A Technical Review of Automatic & Manual Transfer Switches	 Power Quality - Harmonics
11:30 AM	Complimentary Luncheon - Business Ethics Presentation - Exhibitor Booths Remain Open All Day. <b>Charles A Darnell, PE, CFEI and President – Talon Products, LLC will present: "Ethics – Case Studies for the Modern Engineer".</b> These case studies offer constructive insights to guide engineers toward the ethical high ground. And - you will not need coffee to stay awake.						
1:00 PM	 Relay event analysis: Understanding and analyzing electrical faults	 Mitigating EC Fan Harmonics to Achieve Energy Savings without Sacrificing Power Quality	 Cleaning Up Your Power System - How Harmonics and Distortions are Affecting Your Facility	 Grounding design approach which can reduce cost, meet UL requirements and improve field safety	 Resistance Grounding, the 2020 NEC and the State of the New IEEE Standard C57.32A	 The Harmonic Journey	 NEC 2020 updates
3:00 PM	 Explosion Protection at the Component Level	 What are Supraharmonics and Why They Should be a Concern	 A review of NGR and HRG (Neutral Grounding Resistors and High Resistance Grounding) standards including CSA, IEEE and IEC.	 Fundamentals of Proper Fuse Selection and Selected Coordination	 Emergency Power Connection Solutions	 A Technical Review of Automatic & Manual Transfer Switches	 Power Quality - Harmonics