

NAFE 2017 Winter Meeting – Technical Program – 7 PDHs

Saturday, January 14, 2017 – New Orleans, LA



- 7:00 am Round Table Discussion (includes breakfast)
8:15 am Opening Remarks and Introductions – John Leffler, PE (2016 NAFE President)

MORNING TRACK 1 – GENERAL TOPICS

- 9:00-9:40 Laura Liptai, PhD (887A) and Mark Ezra (641F) — “FE Analysis of Trauma in a Motorcycle Loss of Control Accident”
9:40-10:20 Richard Ziernicki, PhD, PE (308F) — “FE Reconstruction of Police Shooting Accident with Assistance of Newest Technologies”
10:20-11:00 Mark Svare, PE (851M) — “Application of Computed Tomography (CT) to Increase Arc Mapping Reliability”
11:00-11:40 Robert Peruzzi, PhD, PE (954A) — “FE Analysis of Quadcopter Drone Personal Injury”

MORNING TRACK 2 – CIVIL / STRUCTURAL (revised sequence)

- 9:00-9:40 Derek Hodgin, PE (733S) — “FE Comparison of Two Masonry Cladding Systems”
9:40-10:20 Norman Cooper, PE (418F) — “Rule of Law on International Building Code Grandfathering”
10:20-11:00 James Drebelbis, PE (938S) — “Dissecting Complex FE Challenges: Two Roofing System Case Studies”
11:00-11:40 Michael Stall, PE (955M) — “FE Analysis of Alleged Construction Defects”

NAFE BUSINESS MEETING

- 11:40 Membership Meeting, NAFE Activities Report, Installation of New Officers – John Leffler, PE
12:30 Round Table Discussion (includes lunch)

AFTERNOON TRACK 1 – VEHICLES & TRAFFIC (revised sequence)

- 2:00-2:40 Daniel Couture, PE (951M) — “FE Analysis of Traffic Signal Timing and Speeds Prior to Collision by Rule-Based Triage of Indirect Video”
2:40-3:20 John Leffler, PE (709S) — “FE Analysis of Design & Manufacturing Practices for an Automotive Spring”
3:20-4:00 Christopher Stewart, PE (783S) — “FE Analysis of Vehicle Accidents Using Beam Theory”
4:00-4:40 Stephen Batzer, PhD, PE (677M) — “Forensic Analysis of a Fatal Trailer Wheel-Off Failure”

AFTERNOON TRACK 2 – FIRE & EXPLOSION INVESTIGATIONS

- 2:00-2:40 Curtis Falany, PE (746M) and Brad Shepherd, PE (640F) — “Forensic Investigation of Wild Land Fires of Suspected Electrical Origin”
2:40-3:20 Jahan Rasty, PhD, PE (768S) — “FE Investigation into Factors Contributing to Explosion of a Common Table Top Torch”
3:20-4:00 David Ilove PhD, PE (899F) and Gerald Haynes, PE (927M) — “Conducting Peer Reviews of Fire and Explosion Investigations”
4:00-4:40 William Keefe, PE (481M) — “FE Investigations of Residential Clothes Dryer Fires”

OPEN QUESTION & ANSWER SESSION

- 4:40-5:00 Follow-up Q & A Session for Technical Presentations
5:00 Adjourn

SUNDAY TECHNICAL PRESENTATION (January 15, 2017)

- 11:30-12 Harold Josephs, PhD, PE (295F) — “Spare Tire Exposed Underbody Mounting — A Proximate Cause of Serious Road Hazards: A Case Study”

The NAFE Technical Program is brought to you by the NAFE Journal Staff:
John Leffler, PE – Technical Review Committee Chair, and Ellen Parson – Journal Editor