

IEEE Power Electronics Society

COMPEL 2027 PROPOSAL

Presented at APEC 2025 TC1

Prof. Alex Hanson
University of Texas at Austin

Austin, TX
Jun 13-16, 2027



Local Organizing Committee



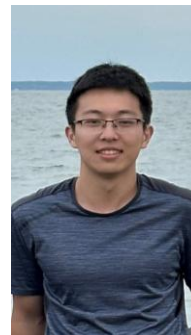
Alex Hanson
General Chair



Brian Johnson
Co-Chair



Belle Howell
Administration



Alyssa Brown
Ziyang Zhang
Yihao Wu
Haoyu Wang

Activities and Facility Tours

- Lake Travis
- Lake Austin
- Museums: Blanton, Moody, Natural History, State History
- Center for Electromechanics
- University of Texas labs

Lodging

- UT Austin Housing & Dining regularly hosts conference visitors at <\$70/night
(multiple room types, almost all 1 bed + 1 bath per person)



2400 Nueces Apartments - 15 min walk

Themes and Program

- Modeling and Simulation of Power Converters
- Control of Power Converters
- Design, Optimization, and Simulation Tools
- Education
- Design and Optimization
- Passive Component Materials, Structures, and Design

Preliminary Schedule

	Mon 14	Tue 15	Wed 16	Thu 17
9	Tutorial	Plenary	Technical Session	Technical Session
10				
11		Technical Session		
12	Lunch	Lunch	Lunch	Lunch
1	Tutorial	Technical Session	Technical Session	Technical Session
2		Tours		
3				
4			Posters	Posters
5			Technical Session	Technical Session
6		Reception	Social	Awards
7				
8				

Projected Budget

Revenues	COMPEL 2025 – for comparison			COMPEL 2027		
	No	ppu	Total	No	ppu	Total
Student Registration	120	\$ 400.00	\$ 48,000.00	130	\$ 400.00	\$ 52,000.00
PELS Member Registration	80	\$ 600.00	\$ 48,000.00	90	\$ 600.00	\$ 54,000.00
Onsite Registration (add'l)	20	\$ 200.00	\$ 4,000.00	20	\$ 200.00	\$ 4,000.00
			\$ -			\$ -
Sponsors	4	\$ 2,500.00	\$ 10,000.00	6	\$ 2,500.00	\$ 15,000.00
Food & Bev Credit	1	\$ 9,600.00	\$ 9,600.00	0	\$ 0	\$ 0
Total Revenue:			\$ 119,600.00			\$ 125,000.00
Expenses	COMPEL 2025 – for comparison			COMPEL 2027		
	No	ppu	Total	No	ppu	Total
Registration	1	\$ 3,500.00	\$ 3,500.00	1	\$ 4,000.00	\$ 4,000.00
Promotional & Administration	1	\$ 500.00	\$ 500.00	1	\$ 5,000.00	\$ 5,000.00
Honorarium / Awards	1	\$ 2,000.00	\$ 2,000.00	1	\$ 2,000.00	\$ 2,000.00
A/V	1	\$ 2,000.00	\$ 2,000.00	1	\$ 2,000.00	\$ 2,000.00
Signage	1	\$ 100.00	\$ 100.00	1	\$ 300.00	\$ 300.00
Badging / Proceedings	1	\$ 2,000.00	\$ 2,000.00	1	\$ 2,500.00	\$ 2,500.00
Venue Rental	1	\$ 9,600.00	\$ 9,600.00	1	\$ 500.00	\$ 500.00
			\$ -			\$ -
Meals	6	\$ 6,669.33	\$ 40,016.00	6	\$ 7,300.00	\$ 43,800.00
Coffee / Snacks	8	\$ 3,202.50	\$ 25,620.00	8	\$ 3,300.00	\$ 26,400.00
Social Event Reservation	1	\$ 5,900.00	\$ 5,900.00	1	\$ 7,300.00	\$ 7,300.00
Social Event Food/Bev	1	\$ 8,400.00	\$ 8,400.00	1	\$ 9,300.00	\$ 9,300.00
Total Expenses:			\$ 99,636.00			\$ 103,100.00
Surplus:			\$ 19,964.00			\$ 21,900.00
Surplus:			20%			21%

Next Steps

- Conference to be approved by IEEE Conference Ops
- Conference Website to be posted (COMPEL2027.org, will convert after COMPEL 2026)
- Venue proposals, sponsors, etc.

Discussion/Notes