

Pikes Peak Section State of the Section Report January 17, 2024



State of the Pikes Peak IEEE Section

- Section History
- Award Presentation John Santiago
- Treasurer's Report
- Section Organization Proposed Slate For 2024
- Current Membership Statistics
- Activities of Section Highlights



Pikes Peak Chairs

Pikes Peak Section Was Formed in 1978 After Being a Denver Section Sub-section For Many Years

Year	Chair
1978	Albert Rosa
1979	Unknown
1980	Don E. Cottrell
1981	John M. Murray
1982	J.J. (Mirek) Horenovsky
1983	Don E. Cottrell
1984	Calvin Dunigan
1985	John W. Meredith
1986	C. Frank Hartsell
1987	John Lieberer
1988	John R. Reinert
1989	Warren R. Hill
1990	Peter C.M. Burton

Year	Chair
1991	Loreen A. Ozolins
1992	Aaron C. Lippincott
1993	Steven R. Rogers
1994	Steven R. Rogers
1995	Sami A. Syed
1996	Sami A. Syed
1997	Mark D. Heinrich
1998	Mark D. Heinrich
1999	Jack McIllnay
2000	Jack McIllnay

Year	Chair
2001	Steven Lindemann
2002	Steven Lindemann
2003	Sophie Kogut
2004	William Boles
2005	William Boles
2006	Richard Painter
2007	Richard Painter
2008	Stephen Delory
2009	Mark Heinrich
2010	Mark Heinrich

1004	Chair		
<i>l</i> ear	Chair		
2011	Vunqiang Vincent Yang		
2012	Vunqiang Vincent Yang		
2013	F.D. Wells		
2014	F.D. Wells		
2015	David Cotton		
2016	Debora Elam		
2017	Debora Elam		
2018	Debora Elam		
2019	John Santiago		
2020	John Santiago		
2021	John Santiago		
2022	John Santiago		
2023	David Bondurant		



Pikes Peak Section Historical Highlights

Increasing Activity, Increasing Student Engagement

- 1978 Section Formed From Denver Sub-Section
- 1982 Section Hosts R5 S-PAC Conference at UCCS
- 1993 Section Wins Best Small Section Regional Award
- 1994 Section Hosts R5 Annual Meeting at the Antlers
- 1998 John Reinert, Former Pikes Peak Chair Elected First IEEE-USA President
- 2007 John Meredith, Former Pikes Peak Chair Elected IEEE-USA President
- 2019 Region 5 Created John Meredith Lifetime Achievement Award to Honor our Past Chair
- 2020-2022 Covid Pandemic Leads to Increasing Section Activity Through Webinars
- 2023 Increasing In-Person Meetings



Pikes Peak Section Treasurer's Report - 2023

Section Finances Remain Strong

• Need to Increase In-Person Activities to Utilize Section Funds

Treasurer's Report, January 17, 2024 2023 Summary Activity

NextGen ACCOUNT SUMMARY - 2023 Opening Balance:	\$41,855.34
Interest Paid IEEE Section Rebate Awards (John Santiago) ExCom Meeting Feb (John Reinert) ExCom Meeting Apr (David Bondurant) ExCom Meeting Aug (David Bondurant) Life Member Mtg Silicon Mtn (David Bondurant) Misc (Future Cities Bondurant) Section Meeting – WWII Museum (Bondurant) Office ED/CAS Meeting (David Bondurant) Future Cities PACE Project WWII National Air Museum Support LMAG Regional Funding Bondurant Computer Society Incentive Funding	$\begin{array}{c} 1403.06\\ 5959.10\\ (640.82)\\ (264.66)\\ (222.98)\\ (489.78)\\ (646.19)\\ (56.74)\\ (514.44)\\ (47.20)\\ (227.43)\\ (500.00)\\ (6000.00)\\ 500.00\\ 2000.00\\ 300.00\\ \end{array}$
Closing Balance, December 31, 2023:	\$42,407.26
Liabilities/Obligations:	
USAFA Student Branch dedicated (2022 awards Computer Society Incentive Funding (2022/23) Total Committed Funds	675.00 950.00 1625.00
Investment Account Opening Balance:	\$75,227.92
Income Unrealized Gains/(Losses)	939.46 2277.85
Closing Balance, December 31, 2022: (Reporting through 30 September, 2024)	\$78,445.23 (4.28%)
(Note: Dow Jones up 13.7% in 2022 10.8% through Sep	tember)

Submitted 17, January, 2024



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Pikes Peak Section Roster - Proposed Slate For 2024

Section

Chair - David Bondurant Vice-Chair - Gene Freeman Secretary - Ze Ni Treasurer - Open Past Chair & Webmaster - John Santiago Past Chair - Rich Painter Student Activities Coordinator - Bailey Heyman YP Representative - Priyank Kashyap Program Committee Chair - Russ Borgardus Student Representative (UCCS) - Yugesh Bhattarai Student Representative (AFA) - TBD Student Representative (CSU-Pueblo) - Calvin Bahl

Life Member Affinity Group Chair - David Bondurant Vice-Chair - Open

Computer Society Chair - Gene Freeman Vice-Chair - Senthilkumar Mehalingam

Power and Energy Society Chair - Dr. Tarek Masaud Vice-Chair - Dr. William Crowell

Magnetics Society

Chair - Dmytro Bozhko Treasurer -Ezio lacocca

Joint Electron Devices and Circuits & Systems

Chair - Dr. Thottam S. Kalkur Vice-Chair - Open

UCCS Student Branch

Student Advisor - Dr. Darshika Perera Student Advisor - Dr. Byeong Lee

Air Force Academy Student Branch

Student Advisor - John Ciezki

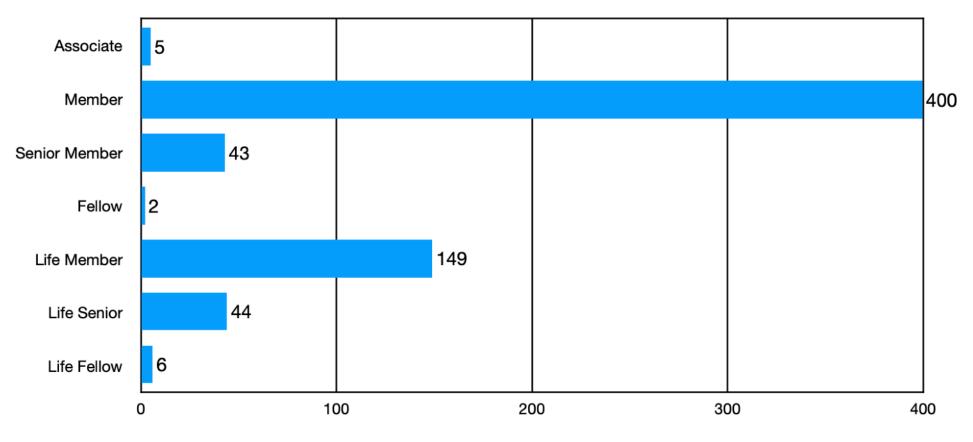
CSU - Pueblo Student Branch

Student Advisor - Jude de Palma



Pikes Peak Membership Statistics

659 Professional Members (Including Affiliates & SA) - 71 New in 2023

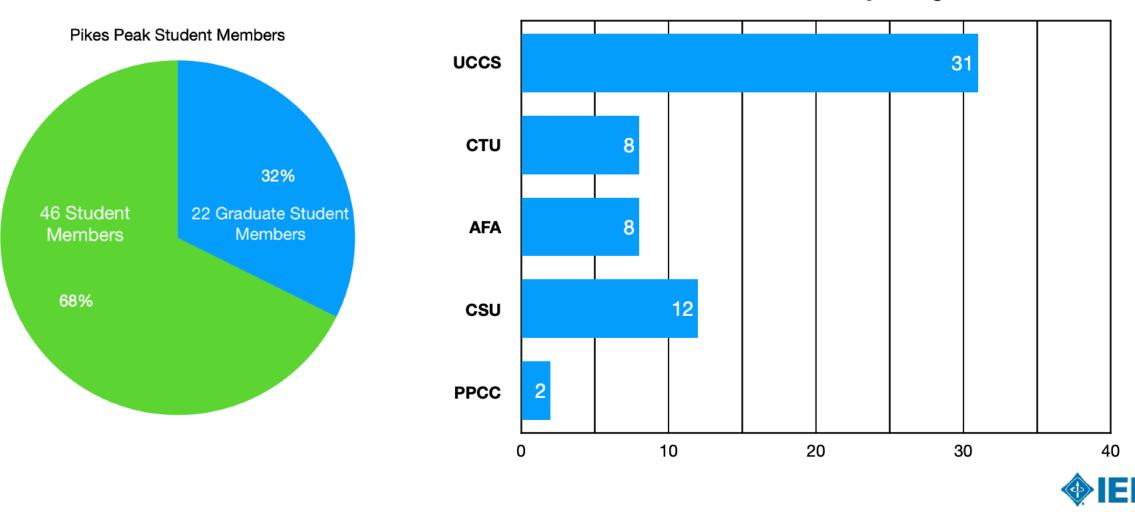


Pikes Peak Professional Members



Pikes Peak Membership Statistics

68 Student Members



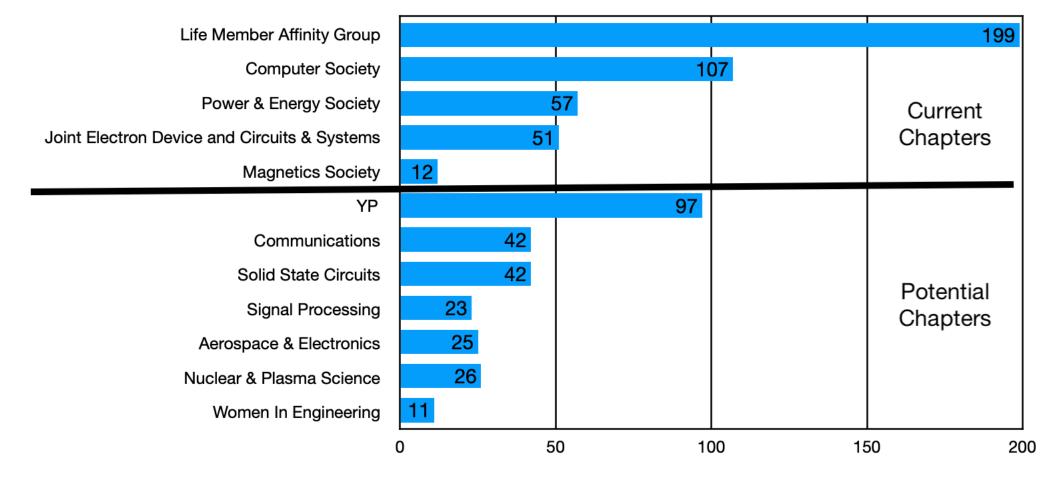
Student Members By College

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Society Memberships

Opportunities for Future Chapters or Joint Chapters





Pikes Peak Operational Units

Activity Levels - 2023

Current Pikes Peak OU Listed on Vtools Pikes Peak Section Colorado State University-Pueblo 10 Pikes Peak Section - R50043 (Active) Colorado Technical Univ 10 LMAG - LM50043 (Active) 12 Pikes Peak Section Affinity Group,LM C16 -CH05056 (Active) 13 Pikes Peak Section Chapter, C16 PE31 - CH05183 (Active) Pikes Peak Section Chapter, MAG33 7 CAS04/ED15 - CH05055 (Active) 2 MAG33 - CH05210 (Active) Pikes Peak Section Chapter, PE31 UCCS, Theta Chi - HKN166 (Before 2010) 2 Pikes Peak Section Jt. Chapter, CAS04/ED15 AFA - STB50971 10 U S Air Force Academy UCCS - STB08811 University of Colorado-Colorado Springs 10 CTU - STB24021 10 University of Colorado-Colorado Springs, Theta Chi CSU-P - STB43001 9 14 0 5 18

2023 Activity Level

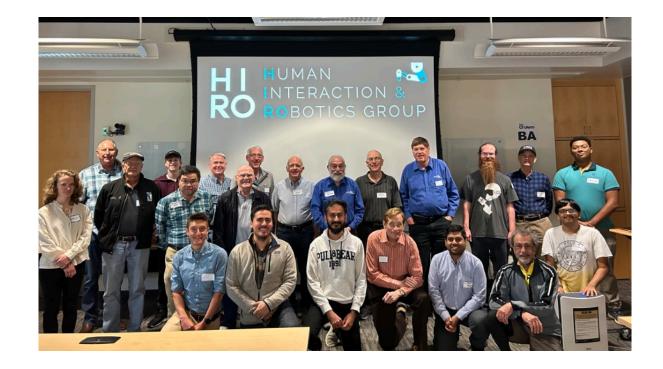
Activities Reported



Joint Meeting of Denver, Pikes Peak LMAG and High Plains Section

May 13, 2023 at CU Boulder - Human Interaction Robotics Group

• Member from Denver and Pikes Peak LMAG and High Plains Section Visited HIRO Lab





Pikes Peak Life Member Affinity Group Celebration

October 23, 2023

- Pike Peak LMAG Won Global LMAG Achievement Award for 2023
- 16 Life Members and Guests Celebrated Event at Macaroni Grill on October 23
- Panel Discussion on The Founding of Silicon Mountain By 4 Life Members Who Worked at NCR Microelectronics, Ford Microelectronics, Inmos, and Mostek/UTMC/Aeroflex





Pikes Peak Electron Devices/Circuits & Systems Chapter Reactivation

October 26, 2023 At UCCS

- First Chapter Meeting in 4-Years
- 28 Members and Student Attended
- Presentation Non-Volatile RAM for the Internet of Things
- Reviewed Status of Ferroelectric RAM, Magnetoresistive RAM, and Resistive RAM Technology
- Notably, FRAM was developed at UCCS Microelectronics Laboratory Starting in 1984







Pikes Peak Section Meeting at National Museum of WWII Aviation

November 18, 2023

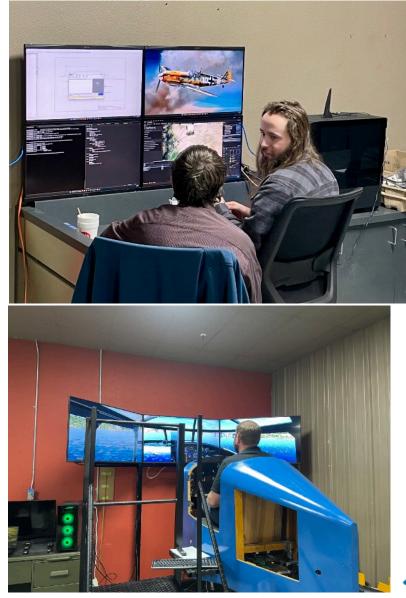


22 Pikes Peak Members and Guests



Pikes Peak Funded Student Simulation Lab

- \$6K Grant Raised in 2022
- Major Student Grant Program
 - Pikes Peak Section \$2K
 - Pikes Peak LMAG \$650
 - Life Member Committee Grant \$2K
 - Computer Society Grant \$1350
- Funding Student Simulation Lab at National Museum of WWII Aviation





National Museum of WWII Aviation Simulation Lab Grant

124 UCCS Students Have Performed Senior Engineering Projects at Interactive Exhibits





Discover Engineering - Future City Competition for Middle School Students

Jan

Present

Your City

Pikes Peak Section Joined Denver Section and Their PES Chapter in All Donating \$500 Each



Pikes Peak STEM Project



Discover Engineering - Future City Competition for Middle School Students

13 Pikes Peak Members Judged Papers, 10 Pikes Peak Member Judging In Person at Colorado School of Mines

December Remote Judging		January 20 - In-Person Judging		
Name	Email	Name	Email	
David Bondurant	dbondurant@ieee.org	David Bondurant	dbondurant@ieee.org	
Gene Freeman	genef@ieee.org	Gene Freeman	genef@ieee.org	
Priyank Kashyap	pkashya2@ncsu.edu	Priyank Kashyap	pkashya2@ncsu.edu	
Russell Bogardus	russbogardus@comcast.net			
Nathan Edwards	NathanEdwards@uspae.org	Nathan Edwards	NathanEdwards@uspae.org	Maybe for Jan 20
Robert Cronk	rncronk@gmail.com			
Mark Holthouse	mark.holthouse@gmail.com			
David Barnett	david.h.barnett@ieee.org	David Barnett	david.h.barnett@ieee.org	
Donald Kraft	dkraft2@lsu.edu			
Michael Allison	m.allison@ieee.org	Michael Allison	m.allison@ieee.org	Maybe for Jan 20
Kurt Humphrey	khumphrey@ipenginuity.com	Kurt Humphrey	khumphrey@ipenginuity.com	
Jodi Fleming	jodilynn.fleming@gmail.com	Jodi Fleming	jodilynn.fleming@gmail.com	
Patrick Keller	Patrick.Keller5@alumni.ctuonline.edu	Patrick Keller	Patrick.Keller5@alumni.ctuonline.edu	
Senthil Vinayagam		Senthil Vinayagam	senthil_vin@yahoo.com	

Future City Judges - Pikes Peak IEEE

