

# Sidra Malik

1. **IEEE and IAS Representative** at PCIC Energy 2023 in Milan, Italy
  - a. Presented a 10-minute speech to approx. 200 attendees which included information on IEEE and its regions and IAS
  - b. Talked about benefits of being an IEEE and IAS member
  - c. Distributed brochures to attendees, along with instructions on how to register, with the discount code for the IAS membership
  - d. Presented ways to get involved with PCIC
  - e. Extended an invite to IEEE IAS PCIC New Orleans 2023, on behalf of the executive committee and the local organizing committee
  - f. Talked about the Myron Zucker Travel Grant
  - g. Put out a call for international authors to present at IAS PCIC in North America
  - h. Was a Eugene Fagan Fund Recipient
  
2. Conference Speaker at PCIC Europe 2022 in London, UK, as an **IEEE and IAS Representative**
  - a. Was a Eugene Fagan Fund Recipient
  - b. Collaborated with Justin Mason, Executive Committee Chair of PCIC Europe
  - c. Presented a 10-minute speech to approx. 300 attendees which included information on IEEE, IAS, benefits of being an IEEE and an IAS member; reasons to sign up for membership
  - d. Extended an invite to IEEE IAS PCIC Denver 2022
  
3. Virtual keynote conference speaker at PCIC Europe 2021 (it was a virtual conference)
  - a. Delivered a presentation titled "To Learn, To Serve, To Advance... our profession," which provided an understanding of how to better develop tomorrow's engineering leaders
  - b. Shared my career path so far and the challenges faced as a young professional
  - c. Talked about how my involvement with IEEE and IAS has benefited my career so far and why I choose to stay involved
  - d. Challenged the experienced engineers to bring one new, young engineer with them to the next PCIC conference
  - e. Collaborated with Chris Thomason, Allen Gibson, Justin Mason and Thibaut Jouvét
  
4. Recipient of Myron Zucker Travel Grant to attend IEEE IAS PCIC 2016 in Philadelphia
  
5. **IEEE MGA Volunteer Leadership Training Program (VoLT):** Aug. – Dec. 2016 - only 1 of 2 people in Region 7 to graduate from the program in 2016
  
6. Project Manager for the "Southern Alberta PES YP, WIE, and Humanitarian Initiatives" (Southern Alberta PES/IAS Chapter received \$7kUS funding from the PES Member-Driven Initiative), Sept-Dec 2016
  
7. As Chair of IEEE IAS PCIC YEDS (Young Engineers Development Subcommittee):
  - a. Revised YEDS approach to attracting first-time attendees to PCIC, resulting in highest recorded first-time attendance at the Conference in 2022 Denver
  - b. Broke my own record in 2023 New Orleans PCIC attracting over 140 first time attendees

- c. Proposed Myron Zucker Travel Grant’s selection criteria changes to attract more young engineers who present a financial need to attend IEEE IAS PCIC. Goal is to attract first time attendees and showcase the value of attending the PCIC conference, and focus on retaining first time attendees by presenting ways to contribute to the conference itself and how it is beneficial to one’s career. Advancement of young engineers is the focus by creating opportunities to find mentors in the industry.
  - d. Set a new record for Myron Zucker Travel Grant applications for PCIC in 2023
  - e. Awarded 8 MZTGs to 8 applicants in 2023, which is the most PCIC has ever had
  - f. Proposed a name change of the subcommittee, from YEDS to EDS (Engineers’ Development Subcommittee), to be inclusive and reflect that the majority of the first attendees may not be junior professionals.
    - i. This proposed change was added in the bylaws and will be voted in September 2023
8. Featured in IAS Pathways Article "Soaring Above Challenges" published in **IEEE Industry Applications Magazine**, May 2022

**9. Recipient 2023 IEEE IAS Outstanding Young Member Service Award**

- a. Will be presented to me at the IAS Annual Meeting in Nov 2023

10. IAS PCIC Experience:

- a. IEEE IAS PCIC 2017 Technical Conference – Vice Chair of Volunteer Coordination & YEDS: Nov 2015 - Sept 2017
- b. IAS PCIC Executive Committee: Secretary of YEDS                      Sept. 2018 – Sept. 2019
- c. IAS PCIC Executive Committee: Vice-Chair of YEDS                      Sept. 2019 – Sept. 2021
- d. IAS PCIC Executive Committee: Chair of YEDS                              Sept. 2021 – Present
- e. International Technical Subcommittee Secretary                              Sept. 2022 – Present

11. IEEE experience at local level:

- a. Treasurer – **IEEE Student Branch, University of Calgary**: 2014 – 2015
- b. Executive Committee member – **IEEE Southern Alberta Section: PES/IAS Chapter**: 2015 – 2019
- c. Seminar Coordinator – IEEE Southern Alberta Section: PES/IAS Chapter: May 2016 – June 2017
  - a. “Partial Discharges in Electrical Insulation”, June 2016
  - b. “Cogeneration in Alberta: Configurations, Connections and Experiences”, Feb 2017
- d. IEEE Canada WIE Congress 2016 in Mississauga, ON – Section representative: Sept. 2016
- e. Secretary – IEEE Southern Alberta Section: PES/IAS Chapter Jan. 2017 – June 2017
- f. IEEE Region 7 (IEEE Canada) Section/Chapter Vitality Committee - Western Canada Representative: Feb 2019

12. IEEE Conference Volunteer experience:

- a. IEEE Canada Electrical and Power Engineering Conference (EPEC) 2014 in Calgary: Conference Volunteer: 2014
- b. IEEE IAS Electrical Safety, Technical, and Mega Projects (ESTMP) Workshop 2016 in Edmonton: Conference Volunteer: 2016
- c. IEEE IAS ESTMP Workshop 2018 in Calgary: Vice Chair of Volunteer Coordination: 2018

- d. IEEE IAS PCIC Technical Conference 2016 in Philadelphia: Section representative to promote upcoming PCIC 2017 in Calgary
13. Co-authored a paper for the IEEE IAS Pulp and Paper conference in 2020
- a. Paper republished in IEEE Transactions in 2020
  - b. J. A. Kay and S. Malik, "Impact of Improper Installation, Maintenance and Servicing of Electrical Equipment in Forest Products Industries," in IEEE Transactions on Industry Applications, vol. 56, no. 4, pp. 3359-3367, July-Aug. 2020, doi: 10.1109/TIA.2020.2987276.
14. Participated in working group for the IEEE 1017.4 Recommended Practice for Testing and Rating of Electrical Submersible Pump Polyphase Induction Motors, 2021-2022.
15. Other volunteer experience:
- a. Community Based Rural Tourism Program– University of Calgary (Chira Island, Costa Rica) 2015
    - i. Explored key social issues in the global community
    - ii. Participated in workshops and service projects, team-building activities while staying with a host family in this cross-cultural service program
    - iii. Collaborated with a local NGO called VIDA and Chira’s community members to do a service project for the local elementary school
  - b. Engineers Without Borders (EWB):
    - i. xChange 2017 in Edmonton – National Conference team: Volunteer Coordinator 2016 – 2017
    - ii. Assistant Team Lead – Calgary City Chapter: Sustainable Development Goals Team 2016 – 2017
    - iii. External Connections Team – Calgary City Chapter Jan. 2016 – Aug. 2016
    - iv. Coordination Director – University of Calgary Chapter May 2011 – May 2012
    - v. Global Engineering Team Executive – University of Calgary Chapter Mar. 2010 – May 2012
16. Study Abroad Programs:
- a. Sustainable Engineering with Developing Communities Course in Shantou, China  
Shantou University & Technion - Israel Institute of Technology  
July – Aug. 2014
  - b. HV Engineering Course in Fribourg, Switzerland  
Ecole d’ingenieurs et d’architectes de Fribourg  
May – June 2014