

**PATHWAYS of Young Professionals in the IAS:**

**Explanation:** The Pathways articles from IAS Magazine can serve as an e-mentoring tool by illustrating how some IAS young professionals are finding their path to career satisfaction. Perhaps one of these stories can inspire or encourage you in your own career journey:

Story Nbr.	Name of Person	Their Career Path	Link to Pathways Article in Xplore Archives:	Key Words contained in this Article:
1	Clifton Oertli	Consulting Engineer	<a href="https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=7450303">https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=7450303</a>	Consulting engineer; field experience; writing skills; MBA; web development; electronic communications; people connections; industry inflection point.
2	Srikanth Vesudevan Pillai	Academic Teaching	<a href="https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=7486222">https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=7486222</a>	Passion for teaching; professor; electric machines; leaving comfort zone; people networking; IAS student branch chapters (SBC).
3	Rachel Bugaris	Product Dev. Engineer; R&D Engr.	<a href="https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=7536260">https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=7536260</a>	Product engineer; product patent; research engineer; electrical safety; arc flash; IAS technical committee; collaboration; teamwork; technical writing;
4	Megha Tak	Product Dev. Engineer	<a href="https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=7587478">https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=7587478</a>	Electronics engineer; humanitarian medical projects; signal processing; product development; product management; collaborative leadership style.
5	Jeremy Smith	Applications Engineer	<a href="https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=7778332">https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=7778332</a>	Solar house project; power systems engineering; power systems studies; field engineering service; collaboration; people networking; IAS technical committees; work-study co-op education program.
6	Tom E. Johnson	Applic Engr; Marketing & Sales Engr; Entrepreneur	<a href="https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=7847535">https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=7847535</a>	Data centers; applications engineering; marketing; technical selling; sales engineer; manufacturers' representative; entrepreneur; customer problem solving.
7	Eric Rau	Power Systems	<a href="https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=7944728">https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=7944728</a>	Study abroad; power systems engineering; arc flash energy calculations, modeling and simulation; professional network connections; technical conferences; Fundamentals of

		Application Engineer		Engineering (FE) examination; professional engineering (PE) license; IAS young engineer travel grant.
8	Lucia Pia Torres	Energy Service Company Engineer	<a href="https://ieeexplore.ieee.org/stamp/stamp.js?tp=&amp;arnumber=8007341">https://ieeexplore.ieee.org/stamp/stamp.js?tp=&amp;arnumber=8007341</a>	Internships; field engineer; project manager; instrumentation & controls engineer; energy services company (ESCO); WIE; STEM; project economics and business justification; public speaking; robotics for kids.
9	Mohit Setia	Product Dev. Engineer	<a href="https://ieeexplore.ieee.org/stamp/stamp.js?tp=&amp;arnumber=8063528">https://ieeexplore.ieee.org/stamp/stamp.js?tp=&amp;arnumber=8063528</a>	Medical electronics; humanitarian; image processing; computer vision; voice activation; smart home; writing software code.
10	David Mazur	Applications Engineer; Systems Architect	<a href="https://ieeexplore.ieee.org/stamp/stamp.js?tp=&amp;arnumber=8186402">https://ieeexplore.ieee.org/stamp/stamp.js?tp=&amp;arnumber=8186402</a>	Electric machines; mining and petrochemical industry applications; technical sales engineer; paradigm shift; product development R&D; industry standards working groups; Industrial Internet of Things (IIOT); Industry 4.0; industrial power distribution; IAS technical committees; systems architect; effective listener; listen, think and solve.
11	Payman Dehghanian	Academic Teaching	<a href="https://ieeexplore.ieee.org/stamp/stamp.js?tp=&amp;arnumber=8287001">https://ieeexplore.ieee.org/stamp/stamp.js?tp=&amp;arnumber=8287001</a>	Passion for teaching; professor; research; power blackout; electric outage; power systems engineering; student-led technical conferences.
12	Kent Sayler	Consulting Engineer	<a href="https://ieeexplore.ieee.org/stamp/stamp.js?tp=&amp;arnumber=8336527">https://ieeexplore.ieee.org/stamp/stamp.js?tp=&amp;arnumber=8336527</a>	Electrical standards, codes, and recommended practices; consulting engineer; cooperative work-study program; power systems engineering; electrical standards working groups; IAS technical committees.
13	Lesley Arakkal	Electric Utility Engineer	<a href="https://ieeexplore.ieee.org/stamp/stamp.js?tp=&amp;arnumber=8376047">https://ieeexplore.ieee.org/stamp/stamp.js?tp=&amp;arnumber=8376047</a>	Electrical distribution network planner; network modeling; electrical infrastructure; power systems studies; load flow; fault analysis; stability; rotational training; WIE.
14	Christa Swafford	Industrial Plant EE and Safety Engr.	<a href="https://ieeexplore.ieee.org/stamp/stamp.js?tp=&amp;arnumber=8432442">https://ieeexplore.ieee.org/stamp/stamp.js?tp=&amp;arnumber=8432442</a>	Internships; instrumentation and control systems; chemical manufacturing industry; technical writing; rotational training; electrical safety program; mentors; technical paper co-author; manufacturing plant.

15	Nehad El-Sherif	Product Dev. Engineer; Marketing & Sales Engr; Entrepreneur	<a href="https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=8488695">https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=8488695</a>	IAS standards working groups; IAS technical committees; MBA; bridge builder businessman; startup business; mentors, electrical safety; special purpose ground fault circuit interrupter (SPGFCl); R&D; inventor, product patent; marketing & sales.
16	Danny Zepeda	Industrial Plant Engineer	<a href="https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=8568999">https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=8568999</a>	Petrochemical industry; refinery business; power systems engineering; problem solving; preventative maintenance; trouble shooting; young engineers development; Myron Zucker travel grant.
17	Luigi Parise	Hospital Facility Engineer	<a href="https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=8685739">https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=8685739</a>	Electric power reliability; electric service continuity; lightning protection system; local electrical code and regulations; international conferences; hospital facility engineering.
18	Emily Held	Industrial Plant Engineer	<a href="https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=8732025">https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=8732025</a>	Paper mill; mentors; professional engineering license; electrical safety; reliability engineer; internships; Rooks Memorial Grant Fund; Rooks Young Engineering Professional Award.
19	Ana Margarida Trigo	Product Dev. Engineer; Applications Engineer	<a href="https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=8796449">https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=8796449</a>	Electronics engineering; autonomous vehicle transportation; sensor and control systems; robot; prototype; multimedia; communicate; collaborate; WIE; product development; multi-national company; multi-cultural.
20	Anna Floyd	Human Performance and Electrical Safety Specialist	<a href="https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=8863702">https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=8863702</a>	Electrical safety; human performance factors; educator; psychology; human behavior choices; lifesaving benefit; humanistic sciences; humanitarian organizations; nonprofit organizations.
21	Manish Verma	Applications Engineer	<a href="https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=8929030">https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=8929030</a>	Applications engineer; consultant, control engineering; power engineering; motor speed control; internships; coauthor; professional legacy; harmonics; heat dissipation; electromechanical machinery; systems interactions; variable

				frequency drive (VFD); load commutated inverter (LCI); voltage source inverter (VSI).
22	Yanni Zhong	R&D Engr.	<a href="https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=8985360">https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=8985360</a>	Power electronics; converter design; photovoltaic (PV) systems; wind farms; wind turbines; PhD; R&D; teaching assistance; chapter and membership development (CMD); public speaking; volunteering; knowledge sharing; personal branding.
23	Carson Bates	Consulting Engineer	<a href="https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=9061176">https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=9061176</a>	Consulting; advancement of knowledge; PhD; power system studies; cable ampacity, arc flash, transient stability, grounding, short circuit, and relay testing; substation commissioning; SCADA.
24	Richard Cselko	Academic Teaching	<a href="https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=9113360">https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=9113360</a>	Academia; PhD, teaching, collaboration between industry and academia; high-voltage testing; partial discharge; factory acceptance testing; chapter and membership development (CMD); networking; volunteering.
25	Sumit Chhabria	R&D Engr.	<a href="https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=9165050">https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=9165050</a>	R&D; M.Sc.; all-terrain vehicles (ATVs); software testing; debugging; test jigs; automotive industry; robotics contest; student branch chapter; chapter and membership development (CMD); soft skills; networking; volunteering; leadership.