



IEEE Region 8

Vinko Lesic

Candidate, R8 Vice Chair for Member Activities
Election of 2023-24 OpCom and N&A members

Croatia



About me



- Academic career
- Patented PhD
- Commercialized with United Technologies Research Center (today Raytheon Technologies)

Laboratory for Renewable Energy Systems



Laboratory for Renewable Energy Systems

- We do AI in sustainability.
- We do optimization, design of control systems for real-time optimal and predictive autonomous decisions of linear and quadratic program format, and by meta-heuristic approaches, capturing system models by physical representation and differential equations supported by estimation techniques, forecasting disturbances and uncertainties stochastically, and by neural networks and machine learning algorithms.
- We apply it to renewable energy systems, smart grids, smart buildings, city infrastructure, and agriculture.

Today



- Associate Professor at University of Zagreb Faculty of Electrical Engineering and Computing
- PI of 8 scientific and 4 technology transfer projects
- Research group leader of 25 people
- 50 publications
- Member of Scientific-Professional Council at Innovation Centre Nikola Tesla, faculty spin-off for research commercialization
- Co-Founder of Urban Oasis startup



- R8 News, Editor-in-Chief
- R8 Life Members, Corresponding Member
- R8 Young Professionals, Past Chair, Chair, Member
- MGA Young Professionals Committee, Member
- Croatia Section, Vice-Chair
 - Secretary, Conference Coordinator, Student Representative, YP Chair, SB volunteer
 - Croatia IAS Chapter Chair, Vice-Chair

Meet Ups at IEEE Conferences

Formal



Casual



- CDC 2019, EUROCON 2017 & 2019, Young Professionals in Space 2018 & 2019, European Microwave Week 2017, 2018 & 2019, support of YP tracks at ICECS 2020, PowerAfrica 2018 & 2020, AFRICON 2017 & 2019

Boosting SYP Congresses

- XS SYPs 2019 attendance increase compared to 2017
 - CEuSYP Novi Sad **100+** participants (3x more)
 - WESYP Glasgow **60+** participants (2x more)
 - NSYP Stockholm + Helsinki **50+** participants (almost 2x more)
 - HSYP Xanthi **120+** participants (about 50% increase)
 - ASYPs → premises for **3** congresses (2 more)



Nordic SYP
Congress 2019



IEEE R8 VIRTUAL STUDENT
& YOUNG PROFESSIONAL CONGRESS



2020 and 2021 Years of webinars and Social Media



IEEE Connecting Experts

TALKSPRENEUR 01

AHMED EL-SHARKASY
CEO & CO-FOUNDER AT KNOWLEDGE OFFICER

"25 LEARNINGS IN 25 MINS"

FRIDAY, 3RD APRIL 05:00 PM (GMT)
FACEBOOK LIVE VIDEO

TALKSPRENEUR 03

URENNA ONYEWUCHI
FOUNDER A PROFESSIONAL AFRICA

"THE POWER OF VOLUNTEERING FOR SUCCESSFUL ENTREPRENEURSHIP"

WEDNESDAY, 3RD JUNE 05:00 PM (GMT)
FACEBOOK LIVE VIDEO

TALKSPRENEUR 02

CHRISTOPHE ZOGHBI
CEO & CO-FOUNDER AT ZAKA

"NOT YOUR TYPICAL STARTUP: AN UNPLANNED JOURNEY"

SATURDAY, 2ND MAY 01:00 PM (GMT)
FACEBOOK LIVE VIDEO

TALKSPRENEUR 04

ANDREW MAXIMOV
CEO & CO-FOUNDER AT PRECIOUS PAYLOAD

"LAUNCH YOUR SPACE STARTUP AND CAREER"

THURSDAY, 10TH JULY 02:00 PM (GMT)
FACEBOOK LIVE VIDEO

Technology, Innovation, and Career IN THE POST COVID WORLD

Join Us Facebook Live
7 June Sunday
8:00 AM PDT
3:00 PM GMT
8:30 PM IST

Moderator: Dr. Goutam Chattopadhyay
Dr. Soumit Sharma

SYPLC'20 THE DIGITAL EDITION

June 5th

- 1 Pollyanna attitude 5 pm - 6:15 pm
- 2 Future of jobs after COVID-19 6:30 pm - 7:45 pm

June 6th

- 1 Pre-Sales in HyperAutomation 5 pm - 6:15 pm
- 2 Advocacy and outreach 6:30 pm - 7:45 pm

June 7th

- 1 Communicate with impact in a Virtual World 5 pm - 6:15 pm
- 2 ROUND TABLE Digital Transformation 6:30 pm - 7:45 pm

Facebook: @YPIIEEE, @YPL_LBANON, #StayHome, #SYPLC2020

IEEE Connecting Experts

"IEEE Standards: Powering Innovation"

IEEE SA

Moirra Patterson
Director of CE at IEEE Standards Association

David Law
Distinguished Technologist at Hewlett Packard Enterprise

Thursday, July 16 15:00 UTC
RSVP Facebook Live Video

IEEE Connecting Experts

"Charting Your Career"

Samira Nuhanovic, PhD
COO at Softhouse Balkans

Wednesday, May 6 16:00 GMT
RSVP Facebook Live Video

IEEE Connecting Experts

"Complexity and Data Science"

Nino Antulov-Fantulin, PhD
Senior researcher & lecturer at ETH Zürich, Co-Founder of Asiot

Wednesday, May 20 14:00 GMT
RSVP Facebook Live Video

IEEE Connecting Experts

"Advance Control for HVDC Transmission"

Samarth Deo
R&D Manager at ABB Power Grids Sweden

Thursday, May 21 11:00 GMT
RSVP Facebook Live Video

IEEE Connecting Experts

"Impact of Pandemics on European Power Grid"

Ana Cigarán Romero
Senior Policy Advisor at 50Hertz Transmission

Thursday, May 28 13:00 GMT
RSVP Facebook Live Video

IEEE Connecting Experts

"Computer-Aided Diagnosis in The Era of Deep Learning"

Prof. Amlan Chakrabarti, PhD
University of Calcutta

Saturday, June 13 15:00 UTC
RSVP Facebook Live Video

IEEE Connecting Experts

"COVID-19: Update on the Threat Landscape"

Jan Kaastrup
CTO & Partner at CSIS Security Group

Thursday, June 18 13:00 UTC
RSVP Facebook Live Video

IEEE Connecting Experts

"Data Privacy and Privacy-Preserving Techniques"

Ferhat Ozgur Catak
AI & Cybersecurity Researcher at NTNU Norway

Monday, July 20 18:00 UTC
RSVP Facebook Live Video

IEEE Connecting Experts

"Microgrids: The Pathway to Smart and Cleaner Energy Future"

Dr. Sertac Bayhan
Qatar Environment and Energy Research Institute

Sunday, June 28 17:00 UTC
RSVP Facebook Live Video

IEEE Connecting Experts

"Analysis and Modeling of Medical Electronic Devices"

Maria-Alexandra Paun, PhD
Swiss Federal Office of Communications

Wednesday, June 24 15:00 UTC
RSVP Facebook Live Video

IEEE Connecting Experts

"Digital Medicine with Wearables: from Resting Heart Rate and Sleep Analysis to Outbreak Prediction"

IEEE Distinguished Lecturer

Giorgio Quer, PhD
Director of AI at Scripps Research Translational Institute

Wednesday, July 29 15:00 UTC
RSVP Facebook Live Video

Dealing with Covid isolation: BEEN THERE, DONE THAT! Perspective of An Astronaut

Join Us Facebook Live
15 Friday May
14:00 GMT 10 AM EST

Robert Thirsk
Engineer, Physican, Former Astronaut

67 webinars, 25 IEEE OUs
Recordings on YouTube channel
25.000+ views

IEEE Region 8 Entrepreneurship



■ 2020-2021:

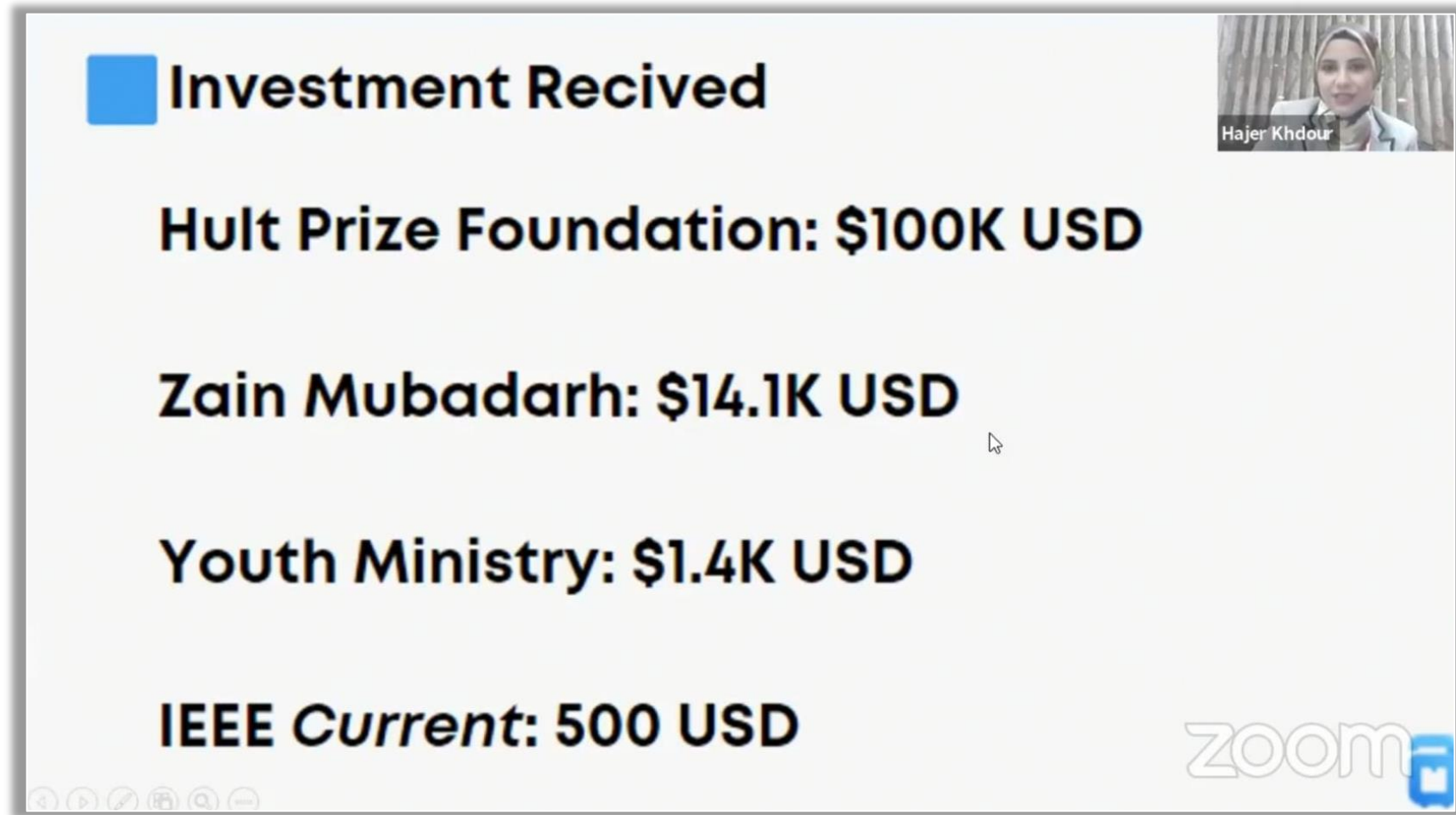
- IEEE Foundation Grant of 28k\$ (R8YP, R8PEA, R8Afl, R8SAC)
- 30 countries, 63 local events
- ~6,000 participants in local events, ~200,000 digital participants in Regional events
- 100 ambassadors volunteered and engaged
- ~500 technological innovations competing in local competitions
- 95 start-ups competing internationally
- Gender equality ~50:50%, 75% ladies in winning teams

■ Today:

- Ad-Hoc Committee under Member Activities
- External sponsors and collaborations
- Scaling up: ambassadors, events, engagement



IEEE Region 8 Entrepreneurship



A screenshot of a Zoom meeting window. The main content area displays a list of investments received. In the top right corner, there is a small video feed of a woman wearing a headscarf, with the name 'Hajer Khmour' below it. The bottom of the window shows the Zoom interface with a toolbar and the Zoom logo.

Investment Recived

Hult Prize Foundation: \$100K USD

Zain Mubadarh: \$14.1K USD

Youth Ministry: \$1.4K USD

IEEE *Current*: 500 USD

zoom

Pitching finals 2021, Amtea startup

IEEE Region 8 Entrepreneurship



TECHNO
SUMMIT



IEEE Region 8 Entrepreneurship



TECHNE
SUMMIT



Tech entrepreneurship



IEEE Region 8 Entrepreneurship



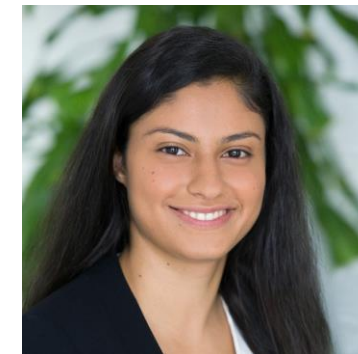
TECHNE
SUMMIT



Action for
Industry



Tech entrepreneurship

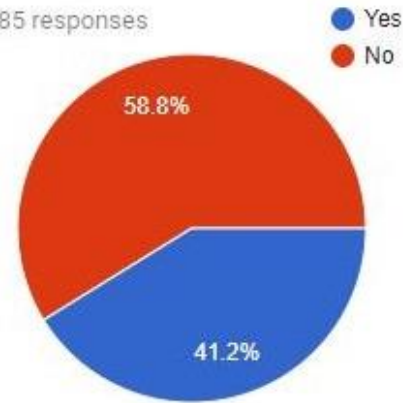


Looking forward

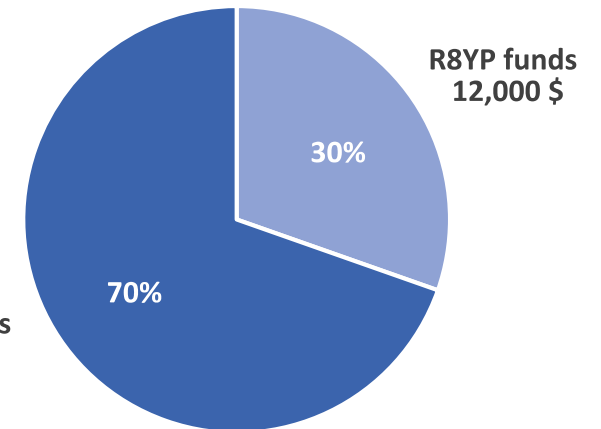
- Bringing success stories from sections to Region 8 programs, and beyond
- Building a post-covid volunteering momentum
- Supporting membership
 - elevation, recognition
- Reaching out of IEEE
 - industry
 - associations
- Doing things together, with synergy of diversity

Are you an IEEE member?

85 responses



Collaboration funds
27,500 \$





Thank you!



IEEE

IEEE
Region 8

