

Victorian Section

PART A - SECTION SUMMARY

A.1 Executive Summary – (Please follow the format given below)

- Section Executive Committee Member List

Key committee members

Mehrnaz Shoushtarian, Chair

Madhu Chetty, Vice Chair

Natalia Nikolova, Secretary

Champake Mendis, Assistant Secretary

Biplob Ray, Treasurer

Priya Rani, Assistant Treasurer

For further details see: <https://r10.ieee.org/victorian/about/committee/>

- Section Highlights
 - 14 Victorian teams participated in IEEE Xtreme 15.0, a 24-hour global programming competition
 - Outreach events, tutorials and competitive programming sessions were organised prior to the event
 - #TheSingle team from University of Melbourne ranked 2nd among Australian teams
 - History Committee formed, led by Rob Slaviero
 - Standards coordinator appointed: Ruth Lewis
 - Two student paper competitions were run (first half and second half of the year)
 - Student TechX 2021 event series (Dec 1st-3rd)
 - Victorian volunteers of over 20 years were acknowledged at Australia Council 35th Anniversary event:
 - Rob Slaviero, Enn Vinnal, Alan Harvey, Paul Junor, Greg Adamson, Anthony Gascoigne
 - Tasmanian Sub-Section held events for the second year in a row (after a period of being dormant)
 - New focus for Uplink (the Section's magazine)- member contributions were encouraged and students invited to write summary articles on their research topics
 - Section met IEEE's membership recruitment goals
- Major Events (International, National)
 - Due to COVID and most events being held online, many talks were open to international audiences or were co-organised with Sections in Australia and overseas (see Appendix for details).
 - Student TechX 2021 event series (Dec 1st-3rd 2021): The Victorian Section supported the student branches at IEEE Victorian Section to organize the TechX event series for university students and recent graduates with a focus on technical and professional development. The IEEE Computer Society Students and Young Professionals also supported this event (funding of USD 400). The events included: Thesis Writing Session, resume workshop, coding competition, STEM Panel discussion, technical talk, Arduino workshop and a poster competition.
- Major Chapter Activities
 - Our Outstanding Chapter was Antenna & Propagation / Microwave Theory and Techniques who organised 13 events, including a number of these with overseas Sections.
 - The following Chapters which were dormant the previous year, were revived and ran activities:
 - Technology Engineering and Management
 - EDS-Photonics
 - Vehicular Technology
- Major Student and Affinity Group Activities

- A Dinner was organised for all student branches at the start of the year for branches to meet each other. Presentations by the Section Chair and Treasurer were given to familiarise the students with IEEE processes.
- TechX 2021- as described above
- Awards
 - University of Melbourne Student Branch received IEEE R10 Special Recognition Award
 - Awarded by R10 Director for organising 50 events (22 as the main host; 28 collaborative) in 2020
 - University of Melbourne Women in Engineering received Honourable Mention in the 2021 Student Branch Affinity Group of the Year Award

A.2 Financial Report – (Please follow the format given below)

- Summary (as per submitted on NetSuite)

The Victorian Section had receipts of \$60,086.47 AUD which included an extra-ordinary conference income of \$38,713.52 . Expenditure for the year was \$30,883.75 AUD.

PART B - ORGANIZATIONAL ACTIVITIES

B.1 Membership Development Activities

- Total number of active members in the past 3 years.
 - 2019: 2133
 - 2020: 2059
 - 2021: 1943
- Summary and evidence of work done to improve the value of membership, which leads to retention and growth of members

The Victorian Section and its units ran 137 events in 2021. This is the local value-add for IEEE members. See Appendix at the end of this report.

B.2 Chapter Activities

- Total number of Chapters in the Section: 17
- Number of Chapters formed in the current year: 0
- Number of active Chapters (Chapters who have reported required number of meetings during the year): 16
- Summary of Chapter activities (Chapter wise with attachment table/information): See Appendix for event details.

Computer 3
 ComSoc 8
 EMB 9
 IA 2
 Power & Energy 7
 SMC 6
 TEM 8
 CAS 1
 CIS 6
 Education 6
 EMC 2
 SP 2
 AP-MTT 13

SSIT 9
Nanotech 0
EDS-Photonics 6
VTS 3

B.3 Professional and Continuing Education Activities

The Section activities for 2021 are listed at <https://r10.ieee.org/victorian/past-events/>
Extra details are set out in the Appendix.

B.4 Students Activities

- Total number of Student Branches in the Section: 9
- Number of Student Branches formed in the current year: 0
- Section level student activities (student congress, paper and other contests, awards etc): Two student paper competitions were run, for each half of the year. The awards were given as below:

First half of 2021 (category: students' first publication):

- **First place:**

Angela Simonovska et al : "Phase Grouping in PV-Rich LV Feeders: Smart Meter Data and Unconstrained k-Means

- **Second place:**

Hasini Nakulugamuwa Gamage et al : "An Efficient Boolean Modelling Approach for Genetic Network Inference

- **Third place:**

Jaskaran Gill et al : "Dynamically Regulated Initialization for S-system Modelling of Genetic Networks

First half of 2021 (category: students' non-first publication):

- **First place:**

Arthur Gonçaves Givisiez et al : "Residential PV Settings for MV-LV Networks: A Distributed Three-Phase AC OPF"

- **Second place:**

Vincenzo Bassi et al : "Model-Free Voltage Calculations for PV-Rich LV Networks: Smart Meter Data and Deep Neural Networks"

- **Third place:**

Mir Toufikur Rahman et al : "Assessment of Conservation Voltage Reduction Capabilities Using Load Modelling in Renewable-Rich Power Systems"

Second half of 2021 (only non-first publications were received as entries):

- **First place:**

Sina Mansour et al.: High-resolution connectomic fingerprints: Mapping neural identity and behavior

- **Second place:**

Ethan Grooby et al : A New Non-Negative Matrix Co-Factorisation Approach for Noisy Neonatal Chest Sound Separation.

- **Third place:**

Dean M. Corva et al : An Investigation Into Miniaturised Closed-Loop DBS Devices

- Number of active Student Branches (Student Branches who have reported required number of meetings during the year): 3 (University of Melbourne, Monash University, Federation University)
- Summary of Student Branch activities (Student Branch wise with attachment table/information)

For details see Appendix.
Deakin 0

Federation 1
Monash: 4
Swinburne
Melbourne: 10
Melbourne WIE: 8
Victoria Univ. 0
La Trobe 0
RMIT 0
Tasmania 0

B.5 Affinity Group Activities

- Young Professional (YP): 6
- Women In Engineering (WIE): 2
- Life Member (LM): 2

See Appendix for details

B.6 Awards & Recognition Activities

- Award constituted by the Section:

The Victorian Section awarded the following awards at the end of the year:

Outstanding Volunteer Award jointly awarded to:

Noor E Karishma Shaik
Vijay S Paul
Anas Shaikh
Champ Mendis

Outstanding Young Professional Award:

Golnar Khomami

Outstanding Women in Engineering (WiE) Volunteer Award:

Simona Karevska
Soheila Ghane

Outstanding Student Award:

Chia Wei Cheng

Outstanding Chapter Award

AP/MTT

Special Project Award

IEEE Xtreme Programming Competition
Led by Sina Mansour and Mengqing Xuan

- Please list all Awards and Recognitions received by the Section, and members in the Section, from R 10 and IEEE HQ during the year
 - University of Melbourne Student Branch received IEEE R10 Special Recognition Award
 - Awarded by R10 Director for organising 50 events (22 as the main host; 28 collaborative) in 2020
 - University of Melbourne Women in Engineering received Honourable Mention in the 2021 Student Branch Affinity Group of the Year Award

B.7 Communication Activities (Newsletter, Home Page, E-mail etc.)

- Newsletter (name and number of issues in the year)
 - Weekly eNews (e-mail), 48
 - UPLINK Journal: 2
- Home Page of the Section (give the URL and how often it is updated)

<https://r10.ieee.org/victorian/>

Updated with each new event

- Other means of contacts with Section members including social media

[Facebook](#), [Instagram](#), [LinkedIn](#) and [YouTube Channel](#).

B.8 Industry Relations

- Membership growth and retention: A plan has been put together by our Membership Development Officer Anas Shaikh to increase membership activities. These will be implemented as COVID restrictions ease and face to face meetings are allowed.
- Activities for/with industrial members: A/Prof Madhu Chetty (Vice-Chair) initiated an industry panel to encourage events co-organised by industry and researchers in Victoria.

B.9 Humanitarian Technology Activities

- Humanitarian Technology related activities supported by the Section including collaboration with other OUs. No activities in 2021.
- SIGHT Activities: No activities in 2021.

B.10 Community Activities

- IEEE Social activities (Family day, IEEE day, Engineers Week)”
 - Dinner organised on 17th May 2021 at Melbourne University Graduate House for all student branches in the Victorian Section. Presentations about IEEE processes were given by the Vic Section Chair and Treasurer in a fun and social setting.
 - University of Melbourne WIE group organised a series of online Games Nights and Trivia nights which were successfully run to encourage students and members to stay in touch despite lockdowns:

<https://edu.ieee.org/au-unimelbwie/social-events/>

PART C - OTHERS

C.1 Special Events

- Please briefly describe the importance of special events and the outcomes achieved

Our technical and social events held online resulted in members being kept engaged despite COVID restrictions.

- Funding secured from the IEEE and external sources including sponsorships

IEEE rebate and sponsorship by Societies of their units the Section (e.g. Circuits and Systems and Signal Processing).

C.2 Relationship with National and International Societies and Non-Government Organizations (NGO)

- Nature of relationship and details of any formal agreement signed: IEEE HQ signed a cooperation agreement with Engineers Australia in 2017 however no direct benefit to members has been noted.

C3. Collaboration with other IEEE Sections

- Support extended to neighboring Sections
- Joint activities with any other Section

Our online events that were deemed of interest to other Sections were publicized Australia wide via Australia Council.

C.4 Support extended to Sub-sections & Society Chapters within the Section

- Support extended for organising technical, educational and professional activities
- Joint activities for membership development
- Support extended for the formation of a Sub-section or transition of a Sub-section into a full Section

Revival of dormant Tasmanian Sub-Section was achieved in 2020 and continued in 2021 with further activities.

C.5 Best Practices of your Section (which you would like to share with other Sections for the benefits of members)

Continuous running of events by different Chapters in any form possible (online, in person, etc.) so as not to lose momentum.

C.6 Problems anticipated and suggestions for solutions, if any

Succession planning at the Chapter level could be elevated as a key metric and perhaps acknowledged if it is carried out successfully by a unit.

PART D - GOALS AND PLANS

D.1 Continuation of project/activity in progress and their implementation plans

The Section continued to support sub-unit events. It also re-implemented competitions and awards – with our best paper competition attracting many entries.

D.2 Goals and Future Plans

With face-to-face activities slowly being resumed, workshop and practical technology demonstrations can restart.

D.3 Any innovative ideas to make IEEE more creative and value added for sustaining the membership retention and recruitment goals.

Hand-on training kits in various areas of technology - Sections could purchase these.

D.4 Business Plan for Sustainable Growth and Financial Stability.

Covid-19 has led to an operating surplus in the short-term so there is no financial hardship at present. In the long-term running workshops and conferences will probably be successful financially.

Appendix: Victorian Section Events 2021

Event Title	Event Date	Organizational Unit	Co-Host
IEEE Virtual Distinguished Lecturer (VDL) Talk: Connecting Space Assets to the Internet	29/10/2021	New York Section Chapter, COM19	Victorian Section COM
EMC Antenna Calibration and EMC Chamber Site Validation Experts Answer Questions to Resolve your Problems in EMC Measurements Now and in the Future	29/06/2021	Coastal Los Angeles Section Chapter, EMC27	Victorian Section EMC
IEEE Computer Society Victorian/Tasmanian Chapter Annual General Meeting (ONLINE ONLY)	5/03/2021	Victorian Section Chapter, C16	
Offshoring a Competitive Business Strategy	3/11/2021	Victorian Section Chapter, C16	
Why is it so difficult to secure health technologies ?	2/12/2021	Victorian Section Chapter, C16	
Visible light positioning the indoor GPS of the future!	25/03/2021	Victorian Section Chapter, COM19	
Amateur Radio: The original Social media	29/04/2021	Victorian Section Chapter, COM19	
Optimizing the placement of cameras for effective capturing of visual information	24/06/2021	Victorian Section Chapter, COM19	
When does chip design become the right choice for your IoT device implementation?	29/07/2021	Victorian Section Chapter, COM19	
6G Fundamentals: Vision and Enabling Technologies - From 5G to 6G Trustworthy and Resilient Systems	26/08/2021	Victorian Section Chapter, COM19	
Start Thinking About 6G	30/09/2021	Victorian Section Chapter, COM19	

5G Heads Up Helmet	25/11/2021	Victorian Section Chapter, COM19	
Voltage and Frequency Control in Renewable-Rich Power Networks	26/05/2021	Victorian Section Chapter, PE31	
Harmonic Analysis in Power Systems using Harmonic Balance Method	14/07/2021	Victorian Section Chapter, PE31	
Dynamic Modeling for Analysis of Wind Farm and Grid Interaction	30/08/2021	Victorian Section Chapter, PE31	
Building Dynamic Composite Load and Distributed PV Models for the National Electricity Market	5/10/2021	Victorian Section Chapter, PE31	
DERMS: What is it and how do we forecast demand to manage the Grid?	9/12/2021	Victorian Section Chapter, PE31	
Advanced Distribution Network Management Using Synchrophasors Data	21/04/2021	Victorian Section Chapter, PE31	
National Electricity Market (NEM) Oscillatory Stability	3/11/2021	Victorian Section Chapter, PE31	
What is my measurement equipment actually doing? Implications for 5G/6G, mm-wave and related applications	22/10/2021	New South Wales Section Jt. Chapter, AP03/MTT17	Victorian Section AP-MTT
Integrated microphotronics for terahertz systems	6/07/2021	South Australia Section Jt. Chapter, AP03/MTT17	Victorian Section AP-MTT
Victorian Section EMBS committee meeting	1/03/2021	Victorian Section Chapter, EMB18	
Human Movement & Joint Biomechanics	15/03/2021	Victorian Section Chapter, EMB18	
Victorian Section EMBS committee meeting	11/05/2021	Victorian Section Chapter, EMB18	
Victorian Section EMBS committee meeting	15/06/2021	Victorian Section Chapter, EMB18	
Barriers to the Implementation of Medical Devices	22/06/2021	Victorian Section Chapter, EMB18	
Optimizing Wheelchair Stability	21/09/2021	Victorian Section Chapter, EMB18	
Medical Device Security: Challenges and Practical Solutions	12/10/2021	Victorian Section Chapter, EMB18	
FHIR-Fast Health Interoperability Resources- and Healthcare Data Exchange	16/11/2021	Victorian Section Chapter, EMB18	

Respiratory Rehabilitation Through An Assistive Electronic Trumpet	16/12/2021	Victorian Section Chapter, EMB18	
IEEE Victorian AP/MTT Chapter- 2021 Planning Meeting	27/01/2021	Victorian Section Jt. Chapter, AP03/MTT17	
A full duplex antenna for the 5.8 GHz ISM band	17/02/2021	Victorian Section Jt. Chapter, AP03/MTT17	
Radar-based Smart-Shoes for Fall Prevention	15/04/2021	Victorian Section Jt. Chapter, AP03/MTT17	
Antenna arrays for remote sensing and satellite communications.	27/04/2021	Victorian Section Jt. Chapter, AP03/MTT17	
Blood Pressure Estimation using On-body CW Radar	20/05/2021	Victorian Section Jt. Chapter, AP03/MTT17	
Towards Universally Programmable Chip-scale TeraHertz Source, Sensors and Systems	8/06/2021	Victorian Section Jt. Chapter, AP03/MTT17	
IEEE Victorian AP/MTT Chapter planning meeting: Bridging the TeraHertz and Application Gap in the Next Decade	14/07/2021	Victorian Section Jt. Chapter, AP03/MTT17	
Microwave Education Around the World - for Future Wireless Communications and sensing from Megahertz to Terahertz	26/11/2021	Victorian Section Jt. Chapter, AP03/MTT17	
Harmonising engineering education with nature	25/08/2021	Victorian Section Jt. Chapter, AP03/MTT17	
Navigating EMC Compliance from Design to Manufacturing	20/04/2021	Victorian Section Jt. Chapter, AP03/MTT17	
Microphotonics for biomedicine – life saving technology on a chip the size of your fingernail	29/03/2021	Victorian Section Jt. Chapter, ED15/PHO36	
Semiconductor Nanowires for Optoelectronics Applications	15/02/2021	Victorian Section Jt. Chapter, ED15/PHO36	
The Wonderful World of Designer Germanium Quantum Dots	20/04/2021	Victorian Section Jt. Chapter, ED15/PHO36	
Multifunctional materials for emerging technologies	26/05/2021	Victorian Section Jt. Chapter, ED15/PHO36	
The Discovery of Third Breakdown: Applications to Memories and Hardware Security	21/06/2021	Victorian Section Jt. Chapter, ED15/PHO36	

Engineering Perspective of a Graduate engineer to Professional Engineering roles in Industry including Academic Research and Teaching	13/12/2021	Victorian Section Jt. Chapter, ED15/PHO36	
Real time in vivo optical recording of multi-neuronal dynamics using Miniscope during cognition-related events	12/11/2021	Victorian Section Chapter,SP01	
Non-invasive Vehicle Classification Solution utilizing Tracking Radar Technology	30/11/2021	Victorian Section Chapter,SP01	
Laminates for mmWave PCBs: Different Solutions for All-RF Multilayer, Hybrid Multilayer, and Double-Sided PCBs	13/08/2021	Queensland Section Jt. Chapter,AP03/MTT17	Victorian Section- AP-MTT
Absorptive Frequency-Selective Structures	6/10/2021	Queensland Section Jt. Chapter,AP03/MTT17	Victorian Section- AP-MTT
Grades of Automation (GoA) in Railway Signalling	30/11/2021	Victorian Section Chapter,CAS04	
Metasurfaces for millimeter wave applications	19/08/2021	Australian Capital Terr Sect Jt. Chap,AP03/MTT17	Victorian Section- AP-MTT
IoT Technologies and Data Communication Symposium	10/11/2021	Victorian Section Chapter,CIS11	
Smart textile: IoT facilitated loosely coupled architecture	18/11/2021	Victorian Section Chapter,CIS11	
New Renewable Energy Ecosystems and Cyber Security Status	25/11/2021	Victorian Section Chapter,CIS11	
IoT Technologies and Data Communication Symposium	1/12/2021	Victorian Section Chapter,CIS11	
The first non-cellular 5G IoT global standard- Purpose built for Massive IoT	24/11/2021	Victorian Section Chapter,CIS11	
IoT Technologies and Data Communication Symposium (4th Nov - 1st Dec 2021)	30/11/2021	Victorian Section Chapter,CIS11	
Energy & Environmental Problems Facing India and Australia and their Probable Solutions for Sustainable Development and Poverty Alleviation	24/03/2021	Victorian Section Chapter,E25	
Data Analytics and Online Learning : Managing COVID-19 shut downs	12/10/2021	Victorian Section Chapter,E25	

IoT Applications and Data Communications	4/11/2021	Victorian Section Chapter,E25	
Technology use in Horticulture	4/11/2021	Victorian Section Chapter,E25	
A satellite IoT Agriculture trial in Victoria	4/11/2021	Victorian Section Chapter,E25	
Workplace Safety Issues in Farming – a National Concern	4/11/2021	Victorian Section Chapter,E25	
SSIT Australia AGM	29/01/2021	Victorian/ACT/NSW/Qld/SA/WA Jt Chap, SIT30	
The Hybrid Working Model How to Stay Connected and Motivated in the New Normal	22/02/2021	Victorian/ACT/NSW/Qld/SA/WA Jt Chap, SIT30	
Public seminar: Legal intention and autonomous machines	12/05/2021	Victorian/ACT/NSW/Qld/SA/WA Jt Chap, SIT30	
The Internet of Things in Australia: Social Impacts and Issues	8/07/2021	Victorian/ACT/NSW/Qld/SA/WA Jt Chap, SIT30	
Artificial Intimacy: What happens when evolved mind and old-fashioned cultures encounter 21st Century technology	16/09/2021	Victorian/ACT/NSW/Qld/SA/WA Jt Chap, SIT30	
Why technologists must consider human rights	25/10/2021	Victorian/ACT/NSW/Qld/SA/WA Jt Chap, SIT30	
Workshop on Trust, Ethics and Compliance in Enterprise Computing (TrECEC)	25/10/2021	Victorian/ACT/NSW/Qld/SA/WA Jt Chap, SIT30	
Addressing Ethical Concerns during System Design	10/11/2021	Victorian/ACT/NSW/Qld/SA/WA Jt Chap, SIT30	
Right to Repair	2/12/2021	Victorian/ACT/NSW/Qld/SA/WA Jt Chap, SIT30	
The New ARPANSA Radio Frequency Exposure Standard	27/10/2021	Victorian Section Chapter,EMC27	
Robotic disassembly as an autonomous remanufacturing enabler	28/01/2021	Victorian Section Chapter, SMC28	
How Australia can successfully deliver on Global Space 2.0 Missions	12/03/2021	Victorian Section Chapter, SMC28	

Using Systems and Control Theory Ideas in the Design of Quantum Amplifiers	13/04/2021	Victorian Section Chapter, SMC28	
How to develop a competitive research proposal?	5/05/2021	Victorian Section Chapter, SMC28	
Soft Robotics for Prosthetic Devices; are we getting one-step closer to their natural counterparts?	9/06/2021	Victorian Section Chapter, SMC28	
Digital Transformation	2/07/2021	Victorian Section Chapter, SMC28	
IEEE Vic TEMS Execom Meeting	15/05/2021	Victorian Section Chapter, TEM14	
Professionalism and a duty of care	19/05/2021	Victorian Section Chapter, TEM14	
Communicating Effectively in the Workplace	22/05/2021	Victorian Section Chapter, TEM14	
Provably Beneficial Artificial Intelligence	5/08/2021	Victorian Section Chapter, TEM14	
The Future of AI	9/09/2021	Victorian Section Chapter, TEM14	
Responsible AI - From principles to action	21/10/2021	Victorian Section Chapter, TEM14	
Doing Good with Artificial Intelligence	18/11/2021	Victorian Section Chapter, TEM14	
AI for Social Impact	1/12/2021	Victorian Section Chapter, TEM14	
Terahertz propagation channels and communications systems - a key component of B5G	21/04/2021	New South Wales Section Chapter, VT06	Victorian Section, VT
Recent Results on Smart Wireless Network with Reconfigurable Intelligent Surfaces	28/05/2021	New South Wales Section Chapter, VT06	Victorian Section, VT
GHz Bandwidth Sensing by Sub-Nyquist Signal Processing	29/06/2021	New South Wales Section Chapter, VT06	Victorian Section, VT
Modelling robotic manipulators for analysis, optimisation and control	25/08/2021	Victorian Section Chapter, IA34	
Transforming the grid with pole-mounted batteries	22/09/2021	Victorian Section Chapter, IA34	
The birth of the PC	26/10/2021	Victorian Section Affinity Group, LM	

The Dynabook- Alan Kay's 1974 prediction "Future Shaping Dream Realised and Surpassed.by 2004	30/11/2021	Victorian Section Affinity Group, LM	
Vic Section Executive Committee Meeting- 2021	2/02/2021	Victorian Section	
Vic Section Monthly Committee Meeting- Feb	2/02/2021	Victorian Section	
Vic Section Monthly Committee Meeting- March 2021	2/03/2021	Victorian Section	
IEEE Student Town Hall Forum	17/05/2021	Victorian Section	
IEEE monthly technical talk on data analytics and Internet of Things (IoT)	8/07/2021	Victorian Section	
IEEE monthly technical talk on data analytics and Internet of Things (IoT)	5/08/2021	Victorian Section	
Monthly Technical talk by IEEE Vic, IoT community	9/09/2021	Victorian Section	
Monthly Technical talk by IEEE Vic, IoT community	7/10/2021	Victorian Section	
IEEE TechX Student Congress 2021	1/12/2021	Victorian Section	
Why does an engineer need a PhD?	2/12/2021	Tasmania Subsection	
Precision Metrology with Photons, Phonons and Spins: Answering Major Unsolved Problems in Physics and Advancing Translational Science	14/12/2021	Tasmania Subsection	
IEEE WIE Unimelb Meet and greet	12/03/2021	University of Melbourne,WIE	
Panel Discussion on Engineering & IT	22/03/2021	University of Melbourne,WIE	
Game Night	1/04/2021	University of Melbourne,WIE	
Movie Night	15/04/2021	University of Melbourne,WIE	
Exam Tips and Trivia Night	27/05/2021	University of Melbourne,WIE	
Data Visualisation Python Workshop	1/09/2021	University of Melbourne,WIE	
Women Empowerment in STEM	13/10/2021	University of Melbourne,WIE	
Game Night	29/09/2021	University of Melbourne,WIE	

IEEE UniMelb Committee Meeting	15/07/2021	University of Melbourne	
IEEE UniMelb Committee Meeting	5/08/2021	University of Melbourne	
IEEEXtreme 15.0 programming competition	16/09/2021	University of Melbourne	
Unlock Xtreme series; Introduction to programming with Python (for those new to programming)	23/09/2021	University of Melbourne	
Unlock Xtreme series; Mini programming competition (for those experienced in programming)	23/09/2021	University of Melbourne	
Unlock IEEEXtreme 15.0 series - Programming Workshop: Python Algorithms for Data Analysis	7/10/2021	University of Melbourne	
Unlock IEEEXtreme 15.0 series - Mini-Programming Competition 2.0	14/10/2021	University of Melbourne	
IEEE Careers and Internship Panel Event	18/11/2021	University of Melbourne	
Implantable brainâ€œcomputer interfaces to improve functional independence in patients with severe paralysis	22/03/2021	University of Melbourne	
International Workshop on Machine Learning and Data Analytics	13/03/2021	University of Melbourne	
IEEE MSB Week 1 BBQ	5/03/2021	Monash University-Clayton	
IEEE MONASH UNIVERSITY SOLIDWORKS WORKSHOP PART 1	29/03/2021	Monash University-Clayton	
IEEE MONASH UNIVERSITY SOLIDWORKS WORKSHOP PART 2	13/04/2021	Monash University-Clayton	
Beginner Arduino Virtual Workshop	19/08/2021	Monash University-Clayton	
Digital Revolution â€œ A Case of Blockchain Technology and Cryptocurrencies: Hype VS Reality	14/04/2021	Federation University Australia	
Positive Psychology at Work	31/03/2021	Victorian Section Affinity Group,WIE	
Socio-technical Grounded Theory	22/06/2021	Victorian Section Affinity Group,WIE	

IEEE Young Professionals (VIC Section) Executive Committee Meeting	23/07/2021	Victorian Section Affinity Group,YP	
The Future of Artificial Intelligence: Academia's Role in Getting it Right	9/09/2021	Victorian Section Affinity Group,YP	
Introduction to IEEE Young Professionals (as part of IEEE IVYP STEP 2021)	5/10/2021	Victorian Section Affinity Group,YP	
Health and Fitness for the Youth During COVID	9/10/2021	Victorian Section Affinity Group,YP	
IEEE IVYP STEP (Student Transition & Elevation Partnership) Series - an industry panel discussion on exploring different career pathways	25/10/2021	Victorian Section Affinity Group,YP	
Industry Panel Discussion on Engineering Job Market (as part of IEEE IVYP STEP 2021)	5/10/2021	Victorian Section Affinity Group,YP	