Victorian Section

PART A - SECTION SUMMARY

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

- Section Executive Committee Member List

  <u>Key committee members</u>
  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

  The Section had a successful year in spite of the onset of Covid-19. While face-to-face meetings in the Section became impossible, the Section and its chapters, groups, branches and communities used on-line meetings to run a large number of meetings and events: https://r10.ieee.org/victorian/past-events/

  In total one hundred and seventy three (173) activities were reported on VTools. These included administrative as well as member-focused events.

  Ninety seven (97) of these were member-focused technical, professional or social events.

  The highlight was the virtual IEEE Symposium on Data Analytics and Internet of Things (ISDAIOT 2020) which ran from September 29, 2020 to November 19, 2020. The Symposium includes diverse sessions including technical talks, workshops, poster competitions, and panel discussions to promote the use of Data Analytics and IoT Technologies for real-time applications. A total of 31 talks were organised in this Symposium.

- Major Events (International, National)

  Nil.

- Major Chapter Activities

  There were two outstanding chapters - Power and Energy which held eleven (11) technical events and one (1) professional one. The Computational Intelligence Chapter was a part of the ISDAIOT 2020 and rand thirteen (13) technical events.

  Our largest chapters, Computer and ComSoc, held six (6) and eight (8) technical events during the year.

- Major Student and Affinity Group Activities

  2020 was a difficult year for some student branches because overseas enrollment numbers fell and because of the suspension of on-campus activities. However the University of Melbourne Student Branch and its WIE Affinity Group were outstanding because they held twenty five (25) events. Monash University held nine (9) events. The WIE held six (6) events. Our student branches were also active participants in the programming competition IEEE Xtreme.

- Awards

The Section awarded the Volunteer of the Year to Dr. Priya Rani and the Student Volunteer of the Year went to Noor E Karishma Shaik. Both were key organisers for ISDAIOT 2020. Vijay Paul from the Victorian Section was awarded the 2020 MGA Young Professionals Achievement Award.

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

- Summary (as per submitted on NetSuite)

The Victorian Section had receipts of 76,419 AUD which included an extra-ordinary conference income of 47,187 AUD. Expenditure for the year was 37,730 AUD.

PART B - ORGANIZATIONAL ACTIVITIES

B.1 Membership Development Activities

- Total number of active members in the past 3 years.

2018: 2137
2019: 2133
2020: 2059

- Summary and evidence of work done to improve the value of membership, which leads to retention and growth of members

The Victorian Section ran ninety seven (97) events in 2020. 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): 14
- Summary of Chapter activities (Chapter wise with attachment table/information)

Computer	6
ComSoc	8
EMB	2
IA	4
Power & Energy	12
SMC	5
TEM	4
CAS	4
CIS	13
Education	3
EMC	2
SP	2
AP-MTT	3
SSIT	6
Nanotech	0
EDS-Photonics	0
VTS	0

B.3 Professional and Continuing Education Activities

Summary of continuing Educational activities including conferences, technical activities, training courses, and distinguished lecture programs with attachment table / information

The Section activities for 2020 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)
-
  The Section financially supports all the student branches activities. No paper competitions or awards were run in 2020

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

Deakin	3
Federation	1
Monash	9
Swinburne	2
Melbourne	20
Melbourne WIE	5
Victoria Univ.	0
La Trobe	0
RMIT	0
Tasmania	0

B.5 Affinity Group Activities

- Young Professional (YP): 0
- Women In Engineering (WIE): 6
- Life Member (LM): 2

B.6 Awards & Recognition Activities

- Award constituted by the Section
-
  Outstanding Volunteer
  Outstanding Student Volunteer

- Please list all Awards and Recognitions received by the Section, and members in the Section, from R 10 and IEEE HQ during the year
-
Vijay Paul from the Victorian Section was awarded the 2020 MGA Young Professionals Achievement 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 per new event

- Other means of contacts with Section members including social media
  Facebook, Linkedin, Twitter

B.8 Industry Relations

- Membership growth and retention: no specific initiative in 2020
- Activities for/with industrial members: no specific initiative in 2020

B.9 Humanitarian Technology Activities

- Humanitarian Technology related activities supported by the Section including collaboration with other OUs.: no specific activities in 2020
- SIGHT Activities: no activities in 2020

B.10 Community Activities

- IEEE Social activities (Family day, IEEE day, Engineers Week)": no specific initiatives in 2020

PART C - OTHERS

C.1 Special Events

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

  The IEEE Symposium on Data Analytics and Internet of Things (ISDAIOT 2020) was an initiative to have a large scale symposium run virtually and distributed over 4 months.

- Funding secured from the IEEE and external sources including sponsorship:

  normal IEEE rebate and sponsorship by societies and groups of their groups in the Section

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

- Nature of relationship and details of any formal agreement signed: none by the Section but IEEE Headquarters signed a co-operation agreement with Engineers Australia in 2017.
- Details of joint activities : no technical co-operation
- Benefit to IEEE members (for example discounts, access to technical information etc.): none to our knowledge
- Benefit to Section (for example help in membership development, venue facilities, cost saving etc.): none to our knowledge

C3. Collaboration with other IEEE Sections

- Support extended to neighboring Sections:
  Since all events were held online, notice of these were sent to other Section in Australia to publicize events.
- Joint activities with any other Section: Chapters share DL and some other events

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

- Support extended for organising technical, educational and professional activities:
  Financial sponsorship
- Joint activities for membership development:
  All carried out by individual chapters
- 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

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

Weekly email eNews listing upcoming events appears to be the preferred way members would like to receive updates on upcoming events.

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

Succession planning has mixed results - while excellent energetic people volunteer , this only happens in a few areas.   Succession planning could be elevated as a key metric and perhaps acknowledged if it is carried out successfully by a Section and its sub-units.

There also seems to be lower attendance at virtual meetings - people are tired of virtual meetings - face-to-face events and hands on training may be a solution to counter waning attendance.

PART D - GOALS AND PLANS

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

The Section is continuing to support sub-unit events. It is also re-implementing competitions and awards - a best paper competition will comment this month (April).

D.2 Goals and Future Plans

If face-to-face activities were to resume then 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 2020

19 Dec 2020
  My Brilliant Career at APM, BP, RMIT, Intel and Acupak. A lifelong career in Engineering reappraised
  By Dr Alan Harvey
  LIfe member Affinity Group

15 December 2020, 6.30 PM to 7.30 PM: Design Study Methodology for Health Industry 5.0
   Speaker: Dr Mithileysh Sathiyanarayanan, Techpreneur and Scientist, MIT Square, London
   Schedule: 15 December 2020 from 6.30-7.30 PM AEDT
   Organized by IEEE UniMelb Student Branch, EMBS Chapter Victorian Section, Monash EMBS Students Chapter and SMBE Vic

15 December 2020 Deadline: Online poster competition for Undergraduate, Masters and PhD students of Victoria and Tasmania
    IEEE IAS Deakin University Student Branch Chapter, IEEE IAS VIC Chapter

10 Dec 2020
  Section Annual General Meeting (member facing meeting)

6 Dec 2020
  Getting Started with Product Management
  IEEE TEMS Chapter, Victorian Section, in association with IEEE Kerala Young Professionals
  The session will be handled by Mr. Ranjit R Nair, Product Manager, Enlighten Technologies.

4 Dec 2020
  The IEEE Symposium for Data Analytics and Internet of Things (ISDAIOT 2020)
  Closing ceremony
  IoT Community & IEEE Vic Section

2 December 2020,
  Cyber Security for Smart Energy Systems
  Presented by IEEE Power Energy Society (PES) VIC Chapter.
  Speakers: Tim Daly, AEMO and Professor Robin Doss, Deakin University

3 Dec 2020
  The IEEE Symposium for Data Analytics and Internet of Things (ISDAIOT 2020)
  Speaker: Sanjakumar Patil
  Bioinformatics and Python for untangling genomes
  Student Branch, The University of Melbourne

2 Dec 2020
  The IEEE Symposium for Data Analytics and Internet of Things (ISDAIOT 2020)
  Speaker: Massimo Sacchi
  Arduino for Data analytics, IoT and AI
  Education society Chapter

26th November 2020 | 5 PM - 6 PM AEDT
  The IEEE Symposium for Data Analytics and Internet of Things (ISDAIOT 2020)
  Professional Development Session: Strategies to Crack Coding Hackathons
  Panel: Bewan Lewis, Ifrah Saeed, Jackson Goerner, Jared Collette and Miao Sun
  Student Branch, The University of Melbourne

25 November 2020, 4:00 PM:
  Augmented Perception: Next Generation Wearables and Human Machine-Interfaces
  Speaker: Prof. Andrew J. Mason of Michigan State University
  Circuits and Systems Society (Victoria)

24th November 2020 | 5 PM - 6 PM AEDT
    The IEEE Symposium for Data Analytics and Internet of Things (ISDAIOT 2020)
    Title of the Talk: Myriota Satellite Connectivity: A virtual tour
    Speaker: Steve Winnall, VP Engineering, Myriota Pty. Ltd., Australia
    IoT Community & IEEE Vic. Section

19 November 2020 | 5 PM - 6 PM AEDT
    The IEEE Symposium for Data Analytics and Internet of Things (ISDAIOT 2020)
    Panel discussion: Today's challenges in IoT, Security and AI
    Chair: Alireza Jolfaei; Panelists: Biplob Ray, Malka Halgamuge, Sam Mokhtari and Vafa Shams
    Computational Intelligence Chapter

19th November 2020, 6 PM - 7 PM: Mandatory Primary Frequency Response (PFR) in Australian power grid
    Presented by IEEE Power Energy Society (PES) and VIC Women in Power Chapter.
    Thursday, the 19th November 2020, 6.00pm-7.00pm

18th November 2020, 11 AM - 12 PM: Human Factors: Developing the right Technology and Training in Healthcare
    SMC Victorian Chapter Lecture will be delivered by Professor Marcus Watson.

18th November 2020, 5 PM: Orbital Angular Momentum for Communications
    Dr Bill Moran, currently serving as Professor of Defence Technology in the University of Melbourne
    18 Nov 2020, 5pm
    This event is organised by IEEE Victorian ComSoc Chapter

18 November 2020 | 6 PM - 7 PM AEDT
    The IEEE Symposium for Data Analytics and Internet of Things (ISDAIOT 2020)
    Title of the talk: Smart watering for parklands- automation and visualisation
    Speaker: Biplob Ray, Senior Lecturer, Central Queensland University, Australia
    IoT Community & IEEE Vic. Section

17 November 2020 | 12 PM - 1 PM AEDT
    The IEEE Symposium for Data Analytics and Internet of Things (ISDAIOT 2020)
    Title of the talk: Big Data Clustering with Urban Analytics
    Speaker: Punit Rathore, Postdoctoral Research Fellow, Massachusetts Institute of Technology (MIT), USA
    Student Branch, University of Melbourne / Computational Intelligence Chapter

17 November 2020 | 5 PM - 6 PM AEDT
    The IEEE Symposium for Data Analytics and Internet of Things (ISDAIOT 2020)
    Title of the talk: Making Event-Driven Enterprise a Reality
    Speaker: Sam Mokhtari, Senior Solutions Architect, Amazon Web Services (AWS), Australia
    Schedule: Tuesday | 17 November 2020 | 5 PM - 6 PM AEDT
    Computational Intelligence Chapter

12th November 2020 | 5 PM - 6 PM AEDT
    The IEEE Symposium for Data Analytics and Internet of Things (ISDAIOT 2020)
    Title of the talk: Applications and Advancement in Energy Harvesting for IoT systems
    Speaker: Alan L. Harvey, Director, Acupak Pty. Ltd., Australia
    IoT Community & IEEE Vic. Section

11th November 2020 | 6 PM - 7 PM AEDT
    The IEEE Symposium for Data Analytics and Internet of Things (ISDAIOT 2020)
    Title of the talk: Applications and Advancement in Satellite Technology and Agriculture
    Speaker: Les Davey, Managing Director, Omnispace LLC., Australia
    IoT Community & IEEE Vic. Section

10th November, 2020:
    IEEE VIC/TAS Section Committee Meeting (admin meeting)

10th November 2020 | 5 PM - 6 PM AEDT
  The IEEE Symposium for Data Analytics and Internet of Things (ISDAIOT 2020)29 September 2020 - 19 November 2020
  Title of the talk: Artificial Intelligence in Big Data Analytics for the Internet of Things Applications
  Speaker: Aravinda S. Rao, Research Fellow, University of Melbourne, Australia
  Computational Intelligence Chapter

5th November 2020 | 5 PM - 6 PM AEDT
  The IEEE Symposium for Data Analytics and Internet of Things (ISDAIOT 2020)
  Title of the talk: Real Time IoT Analytics Challenges: A perspective
  Speaker: Andrew Stranieri, Associate Professor, Federation University, Australia
  Computational Intelligence Society Chapter

4th November 2020 | 12 PM - 1 PM AEDT
  The IEEE Symposium for Data Analytics and Internet of Things (ISDAIOT 2020)
  Title of the talk: Applications and Advancements in Smart Health
  Speaker: Sanjay Ranka, Professor, University of Florida, USA
  IoT Community & IEEE Vic. Section

4th November 2020 | 6 PM - 7 PM AEDT
  The IEEE Symposium for Data Analytics and Internet of Things (ISDAIOT 2020)
  Title of the talk: Introduction to Cyber-physical Systems Security
  Speaker: Alireza Jolfaei, Program Leader and Lecturer, Macquarie University, Australia
  Computational Intelligence Society Chapter

3rd November 2020 | 5 PM - 6 PM AEDT
  The IEEE Symposium for Data Analytics and Internet of Things (ISDAIOT 2020)
  Title of the talk: IoT and the Myth of Measurement
  Speaker: Greg Adamson, Associate Professor, University of Melbourne, Australia
  Computational Intelligence Society Chapter

1st November2020, 4 PM to 5 PM AEDT: Blogging for Personal Branding, The Basics
  This event is organized jointly by IEEE Student Branch, Swinburne University and IEEE TEMS Chapter, Victorian Section.
  Workshop will be conducted by Vijay S Paul.

31st October 2020 from 9.00 am to 12.00 pm
  Transformer Design and Design Parameters
  Organised by IEEE Power Energy Society (PES) VIC Chapter.

29th October 2020 | 5 PM - 7 PM AEDT
  The IEEE Symposium for Data Analytics and Internet of Things (ISDAIOT 2020)
  Title of the Talk: Data Analytics Workshop Session - IV: Time Series Data Analysis
  Instructor: Sourav Mondal
  Student Branch, University of Melbourne

29 October 2020, 1 PM to 2 PM: SAR and Temperature Rise in a Human Head due to EM Radiation,
  Organised by IEEE AP-MTT Chapter.
  Presenter: Prof. Atef Elsherbeni, Distinguished Professor, Colorado School of Mines, USA.
  Time & Date: 1:00 to 2:00 pm, Thursday 29 October 2020.
  IEEE AP-MTT Chapter (asthadahal1992@gmail.com or e.vinnal@ieee.org)

28th October 2020 | 6 PM - 7 PM AEDT
  The IEEE Symposium for Data Analytics and Internet of Things (ISDAIOT 2020)
  Title of the Talk: Applications and Advancement in Industrial IoT
  Speaker: Dimitrios Georgakopoulos, Swinburne University of Technology
  IoT Community & IEEE Vic. Section

28th October 2020 6.30 PM: Creating Quiet to Explore the Universe Using the Square Kilometre Array

Virtual Technical presentation Wednesday 28th October 2020 at 6:30 pm on "Creating Quiet to Explore the Universe Using the Square Kilometre Array"
    Presenter: Carol Wilson BSEE, MSEE CSIRO
    This event is organised by IEEE Victorian EMC Society Chapter

28th of October 2020, 6.30 PM to 7.30 PM: Webinar on Communication-based Train Control (CBTC) 101 - Standards, Concepts and Architecture
    Organised by IEEE Circuits and Systems Society (CASS) VIC Chapter
    Our Guest Speaker Naeem Ali is a CBTC specialist based in Canada. His presentation will cover the following introductory topics:
    Time and Date: 28th October 2020, 6:30 PM to 7:30 PM

28th October 2020, 12 PM: Recent Spectrum Developments in the United States
    Speaker: Reza Arefi leads Emerging Spectrum Strategies and Planning at Intel and Vice President of Global mobile Suppliers Association (GSA)
    Time and date: 28 Oct 2020, 12pm
    This event is organised by IEEE Victorian ComSoc Chapter

27th October 2020 | 5 PM - 6 PM AEDT
    The IEEE Symposium for Data Analytics and Internet of Things (ISDAIOT 2020)
    Title of the Talk: Robotics in Australia Focusing on Telepresence, Social and Educational Robotics
    Speaker: Nicci Rossouw, CEO and Founder, Telepresence Robots: Exaptec
    Computational Intelligence Chapter

27th October 2020, 11 AM to 12 PM: AI and Time Series Modelling in Sensing
    The next IEEE SMC Victorian Chapter Lecture will be delivered by Professor Maia Angelova, D2I Research Centre, School of IT, Deakin University.
    Zoom meeting 11.00 am – 12.00 noon, Tuesday, 27 October 2020

22nd October 2020 | 5 PM - 7 PM AEDT
    The IEEE Symposium for Data Analytics and Internet of Things (ISDAIOT 2020)
    Data Analytics Workshop Session - III: Data Processing and Exploration
    Instructor: Nandakishor Desai
    Student Branch, University of Melbourne, Australia

22nd October 2020 Arduino as a learning tool, Soft and tech skills from zero to the latest technologies
    Presenter Massimo Sacchi, Arduino Marketing Developer, Australia
    Hosted by IEEE Vic. Education chapter. Enquiries. Alan Harvey Acupak00@hotmail.com

21st October 2020 | 6 PM - 7 PM AEDT
    The IEEE Symposium for Data Analytics and Internet of Things (ISDAIOT 2020)
    Title of the Talk: Blockchain technology for IoT
    Speaker: Malka N. Halgamuge, Research Scientist, University of Melbourne
    IoT Community & IEEE Vic. Section

20th October 2020 | 5 PM - 6 PM AEDT
    The IEEE Symposium for Data Analytics and Internet of Things (ISDAIOT 2020)
    Title of the Talk: IoT Security
    Speaker: Tim Cara, Founder and Board Member of GEOWAN, Australia
    Computational Intelligence Society

20 October 2020 6 PM to 7 PM: Prof Stephen Tong, Mercy Translational Obstetrics Group/University of Melbourne
Saving mothers & babies: Developing, Diagnostics & Therapeutics to tackle major pregnancy complications
    IEEE EMBS Chapter (Paul.Junor@gmail.com)

15th October 2020 | 5 PM - 7 PM AEDT
    The IEEE Symposium for Data Analytics and Internet of Things (ISDAIOT 2020)
    Data Analytics Workshop Session - II: Data Preprocessing and Visualization
    Instructor: Sourav Mondal

Student Branch, The University of Melbourne, Australia

15 October 2020, 7.30 PM: Making Healthcare More Accessible via AI: Extension of Telemedicine
    Speaker: Prof. Gwo Giun Chris Lee of National Cheng Kung University
    For any enquiries please contact: Prashan Kandasamy – mr.prashan.kandasamy@ieee.org or James Papagianopoulos
    This event is organised by the Circuits and Systems Society (Victoria)

14th October 2020 | 6 PM - 7 PM AEDT
    The IEEE Symposium for Data Analytics and Internet of Things (ISDAIOT 2020)
    Title of the Talk: Convergence of Bigdata, cloud computing and IoT
    Speaker: Meena Jha, ICT Course Coordinator, Centre for Intelligent Systems, Australia
    IoT Community & IEEE Vic. Section

13th October 2020 | 5 PM - 6 PM AEDT
    The IEEE Symposium for Data Analytics and Internet of Things (ISDAIOT 2020)
    Title of the Talk: From Cloud to Edge: How organisations are fuelling Digital Transformation with Data, IoT, and AI
    Speaker: Matt Sinclair, Global Sales Engineering Lead for AI, Microsoft, Australia
    Computational Intellience Chapter

8th October 2020 | 5 PM - 7 PM AEDT
    The IEEE Symposium for Data Analytics and Internet of Things (ISDAIOT 2020)
    Data Analytics Workshop Session - I: Fundamentals of Data Handling
    Instructor: Nandakishor Desai
    Student Branch, The University of Melbourne, Australia

7th October 2020 | 6 PM - 7 PM AEDT
    The IEEE Symposium for Data Analytics and Internet of Things (ISDAIOT 2020)
    Title of the Talk: Security and Networking in IoT Systems
    Speaker: Champ Mendis, Chief Data Scientist of Triple A Super, Australia
    IoT Community & IEEE Vic. Section

7th October 2020 6 PM to 7 PM: Practical Tips on Underground Design
    Presented by IEEE Power Energy Society (PES) VIC Chapter.
    Contact: IEEE PES Victorian chapter– pes.victorian@ieee.org

7th October 2020 6 PM to 7 PM: From Engineering Electromagnetics to Electromagnetic Engineering: Teaching/Training Next Generations
    By Prof. Dr. Levent Svegi,   Istanbul OKAN University - this event will be a virtual one from 6 pm to 7 pm .
    For further information contact Dr. Fatemeh Babaeian, IEEE Vic. AP-MTT Chapter, https://site.ieee.org/vic-apmtt/

6th October 2020 | 5 PM - 6 PM AEDT
    The IEEE Symposium for Data Analytics and Internet of Things (ISDAIOT 2020)
    Title of the Talk: Next Generation Mesh Technologies
    Speaker: Vafa Shams, Country Director and Head of APAC, Wirepas, Australia
    Computational Intelligence Chapter

6th October, 2020:
    IEEE VIC/TAS Section Committee Meeting (admin meeting)

1st October 2020, 3.30 PM to 6.30 PM: Webinar on IoT, Understanding the core challenges for the Gen Z and the Gen Alpha Consumer
    For Registration, https://ieee.us10.list-manage.com/track/click?u=8ad6aa473afda21ff38f24efe&id=60687af1bc&e=806f9c80cd
    For detailed agenda & speaker's bio please visit our website.

1st October 2020 (5PM-6PM): Shama Islam- Applications and advancement in smart grid and renewable energy
    IEEE Symposium on Data Analytics and Internet of Things (ISDAIOT 2020)

IoT Community & IEEE Victorian Section

30th September 2020 (6PM-7PM): Farzad Khodadadi- Advancement of IoT technologies like IoT Gateway and Sensors
    IEEE Symposium on Data Analytics and Internet of Things (ISDAIOT 2020)
    IoT Community & IEEE Victorian section

29th September 2020 (5PM-6PM): Sujan Chowdhury- Introduction to the Internet of Things and its architecture
    IEEE Symposium on Data Analytics and Internet of Things (ISDAIOT 2020)
    IoT Community & IEEE Victorian Section

24 September 2020, 09:30 AM: Machine Learning and Optimization for Communications and Deep Networks
    Speaker: Prof. Gerald Sobelman of University of Minnesota
    For any enquiries please contact: Prashan Kandasamy – mr.prashan.kandasamy@ieee.org or James Papagianopoulos
    This event is organised by the Circuits and Systems Society (Victoria)

23 September 2020 11 AM to 12 PM: More Than Privacy: Applying Differential Privacy in Key Areas of Artificial Intelligence
    IEEE SMC Victorian Chapter Lecture
    Professor Wanlei Zhou - School of Computer Science, University of Technology Sydney, Australia.

22 Sep 2020, 5 PM: When Video Streaming and Active Queue Management Collides
    Speaker: Dr. Jonathan Kua
    Time and date: 22nd September 2020, 5pm
    Location: Online, https://events.vtools.ieee.org/tego_/event/manage/238565
    This event is organized by IEEE Victorian ComSoc Chapter

22 Sep 2020, 5:30 PM to 6:45 PM: Online Lecture with Prof. Luis Martinez:
    HOW TO MANAGE CONSENSUS PROCESSES FOR LARGE SCALE GROUP DECISIONS
    Organised by Tasmania Sub-section, more details, please visit eNotice Link.

22 September 2020 6 PM to 7 PM: IEEE EMBS Distinguished Lecture by Prof David Grayden "Personalised Epileptic Seizure Forecasting"
    For any further information contact: IEEE EMBS Chapter (Paul.Junor@gmail.com)

17 September, Uni Melbourne Student Branch
    Unlock Xtreme 14.0 - Practice Coding Series
    Further details on content and software access.
    Unlock Xtreme Registration Link: https://forms.gle/mcxLogPnpwQdzf1C7
    UniMelb Xtreme Introductory Webinar (Recorded): https://youtu.be/sZ3OtmO7sU8
    Further information on IEEE Xtreme 14.0: https://ieeextreme.org/

16 September 2020, 12 PM to 1 PM: Effective Science Communication
    Organised by IEEE Women in Engineering Student Affinity Group at the University of Melbourne.

16 September 2020, 12 PM to 1 PM: "Analog Photonic Systems: Features & Techniques to Optimize Performance", Ed Ackerman, Photonic Systems Inc., USA
    For any further information contact: Enn Vinnal,
    IEEE Vic. Antenna & Propagation / Microwave Theory & Techniques Chapter (e.vinnal@ieee.org)

16 September 2020, 6 PM to 7 PM: Moving to a two-sided energy market
    Organised by IEEE Power Energy Society (PES) VIC Chapter.
    Contact: IEEE PES Victorian chapter– pes.victorian@ieee.org

3 September 2020, 4:30 PM to 5:30 PM: Panel Discussion on Engineering Job Market
    IEEE Student Branch at the University of Melbourne, Women in Engineering at Victoria Section and University of Melbourne Affinity Group

2 September 2020, 11 AM to 12 PM: Precision medicine, positioning satellites and turbo-charging the internet

IEEE SMC Victorian Chapter Lecture will be delivered by Dist. Prof. Arnan Mitchell - School of Engineering, RMIT University.

2 September 2020, 12:30 PM: The Future of Hybrid Fibre Coaxial Cable Network Technology
   Speaker: John Goddard Managing Director, C-COR Broadband Australia Pty Ltd
   This event is organised by Telsoc and IEEE Victorian ComSoc Chapter

1st September 2020, 5:30 PM to 6:45 PM: Online Lecture with Dr. Rosa Rodriguez: CHALLENGES OF COMPUTING WITH WORDS IN DECISION MAKING
   Organised by Tasmania Sub-section, more details, please visit eNotice Link.

1st September, 2020:
   IEEE VIC/TAS Section Meeting (admin meeting)

27 August 2020, 12 PM to 2 PM: NBN - Current Interruption in Atmospheric Air
   Organised under IEEE Power Energy Society (PES) Distinguished Lecturer Program.
   Contact: IEEE PES Victorian chapter– pes.victorian@ieee.org

26 August 2020, 12:30 PM: NBN - New Broadband Normal
   Speaker: John M. Cioffi, CoB/CEO ASSIA Inc. & Hitachi American Professor, Stanford
   This event is organised by IEEE Victorian ComSoc Chapter

21 August 2020, 8 AM AEST: IEEE TEMS Webinar on IoT Distributed Ledgers
   IEEE TEMS Victorian Chapter, in association with IEEE Technology & Management Society

20 August 2020, 4:15 PM to 6:15 PM AEST: Unlock Xtreme 14.0 - Practice Coding Series
   UniMelb Student Branch
   First Session of Workshop: 20 August 2020, Thursday from 4:15 PM to 6:15 PM AEST
   Unlock Xtreme Registration Link: https://forms.gle/mcxLogPnpwQdzf1C7
   UniMelb Student Branch Xtreme Introductory Webinar (Recorded): https://youtu.be/sZ3OtmO7sU8
   Further information on IEEE Xtreme 14.0: https://ieeextreme.org/

20 August 2020, 6 PM to 7 PM: Model predictive control of PV-Battery microgrid under variable power generation and consumption
   IEEE IAS VIC chapter is organizing a talk on "Model predictive control of PV-Battery microgrid under variable power generation and consumption"
   A/ Prof Jiefeng Hu on 20th August 2020 6-7 p.m.

12th August 2020, 6 PM to 7:30 PM : Gender Equity in STEM
   IEEE Industry Application Society (IAS) VIC Chapter, IEEE Women in Engineering Student Affinity Group and IEEE Student Branch at the University of Melbourne

6th August 2020, 6 PM to 7 PM : Empower Your Mind - Mental Health Awareness Event
   Organised by IEEE Women in Engineering Victoria Section in collaboration with IEEE Student Branch in The University of Melbourne
   Facilitated by Ms Niharika Hiremath, a Mental Health Commissioner with the National Mental Health Commission in Australia

6th August 2020, 6 PM to 7 PM : 4Ds in Energy Systems: Democratisation, Decarbonisation, Decentralisation and Digitalisation
   IEEE Power Energy Society (PES) VIC Chapter Industry Forum Event
   Contact: IEEE PES Victorian chapter– pes.victorian@ieee.org

4th August, 2020:
   IEEE VIC/TAS Section Committee Meeting (admin meeting)

31st July 2020, 10:00 AM to 11:00 AM : Understanding Blockchain
   IEEE FedUni student branch
   Presenter: Surendhar Sooriyakumar

30th July 2020, 5:00 PM to 6:00 PM : Building Online Profiles
    IEEE Women in Engineering (WIE), Victorian Section, the University of Melbourne Affinity Group and IEEE Computer Society

29th July 2020, 4:00 PM to 5:00 PM : Recommendation Systems: Some Recent Advancements
    Speaker: Dr Mahdi Jalili, Senior Lecturer at RMIT University
    IEEE Student Branch University of Melbourne and IEEE RMIT Student Branch are co-hosting

23rd July 2020, 6:30 to 7:30 PM : An Introduction to Electromagnetic Time Reversal and its Applications to Electromagnetic Compatibility
    The presenter is Dr. Farhad Rachidi from Federal Polytechnic School (EPFL) in Lausanne, Switzerland.
    You can register: https://www.engineersaustralia.org.au/event/2020/07/introduction-electromagnetic-time-reversal-and-its-applications-electromagnetic

22nd July 2020, 5 PM : Energy-efficient Scheduling for Wireless Network Slicing
    Speaker: Dr Jing Fu
    This event is organised by IEEE Victorian ComSoc Chapter

16th July 2020, 6-7 PM: Addressing Challenges for the Future Grids: Harmonics and Standardisations
    IEEE Industry Application Society (IAS) Victorian Chapter is pleased to invite you to the event.
    Speaker: Prof Firuz Zare, School of Information Technology and Electrical Engineering, The University of Queensland
    This event is organised by IEEE Industry Application Society (IAS) Victorian Chapter

14th July 2020, 11 AM (Melbourne, Australia): IEEE Educational Activities (EA), Details and Funding
    Presenter: Emeritus Prof. Lance Fung, Educational. Activities Chair R10
    Enquiries, Alan Harvey   Acupak00@hotmail.com.

9th July 2020, 8.00 PM: Does your Covid-19 Tracing App follow you forever?
    Dr Suelette Dreyfus, Australian Academic Media Specialist;
    Dr V. Sridhar Professor, International Institute of Information Technology Bangalore (IIITB), India;
    Dr Greg Adamson, Chair, IEEE SA DIITA Industry Connections Program
    Register at https://lnkd.in/ejfEth7

9th July 2020, 8.00-9.00 PM: Role of the Smart Grid in Facilitating the Integration of Renewables
    IEEE PES Chapters in Australia

8th July 2020, 10 AM: The impact of FPGAs on signal processing: a brief retrospective and the road ahead
    IEEE Victorian Life Members Affinity Group virtual (Zoom) meet
    Dr Chris Dick

7th July 2020:
    IEEE VIC/TAS Section Committee Meeting (admin meeting)

3rd July 2020, 11.00 AM – 12.30 PM (Melbourne, Australia): Health Analytics
    Associate Professor Andrew Stranieri will deliver a talk on health analytics.
    This talk is part of the IEEE Victorian Computational Intelligence Society (CIS) series of talks
    Title: So few health analytics exercises disrupt practice

1st July 2020, 11.00 AM – 1.00 PM (Wagga Wagga/Melbourne, Australia) : Cyber Security Seminar
    Short presentations by Charles Sturt Cyber Security Researchers, CSCRC Postdoc Research Fellows
    This event is organised in collaboration with IEEE Victorian Computer Society Chapter

30th June 2020, 11:00-12:00 PM (Melbourne, Australia): Quantum Computing: Fundamentals and Applications
    IEEE Student Branch University of Melbourne is organizing a technical talk as a part of IEEE Student Branch Seminar Series on 30th June
    Speaker: Dr. Usman, Senior Lecturer at School of Computing and Information Systems, University of Melbourne

Friday 19th JUNE 2020, 12:00-1:00 PM: Women and Super
    IEEE Women in Engineering Victorian Section and Monash University Faculty of IT Early Career
Academics Committee
    Virtual event on "Women and Super" with the help of UniSuper on Friday 19th JUNE 12:00-1:00 PM.

18th June 2020, 6-7 PM: Are we there yet? A journey into Deep Learning and its adoption by industry
    IEEE IAS VIC Technical Event on "Are we there yet? A journey into Deep Learning and its adoption by
industry"
    By Dr. Rajib Chakravorty, Mondo Power"

10th June 2020, 5pm: 5G Electromagnetic Fields: exposure levels and safety standards
    Speaker: Dr Jack Rowley
    This event is organised by IEEE Victorian ComSoc Chapter

2nd June 2020:
    IEEE VIC/TAS Section Committee Meeting (admin meeting)

29th May 2020, 5-6pm: Calibrating Graduate Life to COVID-19 Crisis
    IEEE Student Branch University of Melbourne
    A talk on Mental Health Awareness by Dr Pheobe Lau, Clinical Psychologist at Inner Collective in
collaboration

27th May 2020, 7:30pm (Melbourne, Australia): "Online Racism in the Coronavirus Crisis"
    IEEE Computer Society webinar
    Panel: Commissioner Chin Tan, the Australian Government's Race Discrimination Commissioner;
        Dr Andre Oboler, CEO of the Online Hate Prevention Institute (Australia); and
        Dr James Gomez, Regional Director for the Asia Centre (Thailand and Malaysia).
    This is also part of IEEE Computer Society Distinguished Lecturer Webinar Series.

19th May 2020: Evening Lecture: Saving Mothers & Babies: Developing Diagnostics & Therapeutics To Tackle
Major Pregnancy Complications
    Contact: IEEE Victorian Engineering in Medicine and Biology Society (EMBS) - e.keenan@ieee.org
    Presenter: Professor Stephen Tong, Mercy Perinatal

06 May 2020, 06:30 PM to 08:00 PM (All times are US/New York)
    Block Chain and Data Confidentiality - Computer Society / SSIT Chapter Online Meeting
    Venue:Virtual Only. Please register to receive the WebEx access information.
    Co-sponsored by SSIT Chapter

5th May 2020, 6.30pm to 7.30pm
    IEEE Power Energy Society (PES) and Industry Application Society (IAS) Joint Event: Why system-based
testing should be part of every commissioning
    Contact: IEEE PES Victorian chapter– pes.victorian@ieee.org

5th May 2020:
    IEEE VIC/TAS Section Committee Meeting (admin meeting)

7th April 2020:
    IEEE Vic/Tas Section Committee Meeting

3rd March 2020:
    IEEE Vic/Tas Section Committee Meeting (admin meeting)

26 Feb, 2020
    Golf Networking Event
    IEEE WIE AG

12 Feb, 2020
  Single Line Reliability Modelling (SLRD) – How reliable is your electrical and mechanical network?
  Dr Ee Hui Lim
  IEEE WIE AG

4th February 2020:
  IEEE Vic/Tas Section Committee Meeting (admin meeting)