

# PROGRAM SCHEDULE

**IEEE Symposium on Data Analytics and Internet of Things**



**IEEE Victorian Section**

Website: [attend.ieee.org/sdait-2020](http://attend.ieee.org/sdait-2020)

Contact: [isdaiot2020@gmail.com](mailto:isdaiot2020@gmail.com)



**IEEE Student Branch**  
THE UNIVERSITY OF MELBOURNE

## CALL FOR PARTICIPATION

Greetings of the day!

The **IEEE Symposium for Data Analytics and Internet of Things (ISDAIOT) 2020**, organised by IEEE Victorian Section, is being held from 29 September to 19 November 2020 in collaboration with the Computational Intelligence Society, IoT Community and the University of Melbourne Student Branch. 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. This symposium provides a unique opportunity for *industry* and *academic experts* as well as *students* to get an insight on Data Analytics and Internet of Things, through a series of presentations and hands-on workshops, delivered by experts in the field. The talks are held for an hour every Tuesday (5.00 - 6.00 PM) and Wednesday (6.00 - 7.00 PM), while the two-hour hands-on data analytics workshop is delivered every Thursday (5.00 - 7.00 PM).

The Organizing Committee of ISDAIOT 2020 would like to invite you to attend the various talks and workshops of the Symposium. If you haven't registered already, please [register here](#).

Kindly visit and share our social media posts in your network for wider outreach:

[Website](#) | [LinkedIn](#) | [Twitter](#) | [Facebook](#)

See you at the event!

Best Regards,  
**Organizing Team**  
**ISDAIOT 2020**

Speaker	Title of the Talk	Schedule
<b>WEEK - I</b>		
<b>Sujan Chowdhury</b> TechConnect IT Solutions	<b>Introduction to IoT and its Architecture</b>	<b>29 Sept   5 - 6 PM</b> Tuesday
<b>Farzad Khodadadi</b> University of Melbourne	<b>Advancement of IoT Technologies like IoT Gateway and Sensors</b>	<b>30 Sept   6 - 7 PM</b> Wednesday
<b>Shama Islam</b> Deakin University	<b>Applications and Advancement in Smart Grid and Renewable Energy</b>	<b>1 Oct   5 - 7 PM</b> Thursday
<b>WEEK - II</b>		
<b>Vafa Shams</b> Wirepas Australia	<b>Mesh Networking and Edge Computing</b>	<b>6 Oct   5 - 6 PM</b> Tuesday
<b>Champake Mendis</b> Triple A Super	<b>Security and Networking in IoT Systems</b>	<b>7 Oct   6 - 7 PM</b> Wednesday
<b>Nandakishor Desai</b> The University of Melbourne	<b>Workshop Session - 1 Fundamentals of Data Handling</b>	<b>8 Oct   5 - 7 PM</b> Thursday
<b>WEEK - III</b>		
<b>Matt Sinclair</b> Microsoft	<b>From Cloud to Edge: How Organisations are Fuelling Digital Transformation with Data, IoT, and AI</b>	<b>13 Oct   5 - 6 PM</b> Tuesday
<b>Meena Jha</b> Central Queensland University	<b>Convergence of Big Data, Cloud Computing and IoT</b>	<b>14 Oct   6 - 7 PM</b> Wednesday
<b>Sourav Mondal</b> The University of Melbourne	<b>Workshop Session - 2 Data Preprocessing and Visualization</b>	<b>15 Oct   5 - 7 PM</b> Thursday
<b>WEEK - IV</b>		
<b>Tim Cara</b> IoTSec Australia & GEOWAN	<b>IoT Security</b>	<b>20 Oct   5 - 6 PM</b> Tuesday
<b>Malka N. Halgamuge</b> The University of Melbourne	<b>Blockchain Technology for IoT</b>	<b>21 Oct   6 - 7 PM</b> Wednesday
<b>Nandakishor Desai</b> The University of Melbourne	<b>Workshop Session - 3 Data Processing and Exploration</b>	<b>22 Oct   5 - 7 PM</b> Thursday

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## IEEE SYMPOSIUM ON INTERNET OF THINGS AND DATA ANALYTICS

WEEK - V		
<b>Nicci Rossouw</b> Telepresence Robots: Exaptec	<b>Robotics in Australia Focusing on Telepresence, Social &amp; Educational Robotics</b>	<b>27 Oct   5 - 6 PM</b> Tuesday
<b>D. Georgakopoulos</b> Swinburne University of Technology	<b>Applications and Advancement in Industrial IoT</b>	<b>28 Oct   6 - 7 PM</b> Wednesday
<b>Sourav Mondal</b> The University of Melbourne	<b>Workshop Session - 4 Time Series Data Analysis</b>	<b>29 Oct   5 - 7 PM</b> Thursday
WEEK - VI		
<b>Greg Adamson</b> The University of Melbourne	<b>IoT and the Myth of Measurement</b>	<b>3 Nov   5 - 6 PM</b> Tuesday
<b>Sanjay Ranka</b> University of Florida	<b>Applications and Advancement in Smart Health</b>	<b>4 Nov   12 - 1 PM</b> Wednesday
<b>Alireza Jolfaei</b> Macquarie University	<b>Introduction to Cyber-physical Systems Security</b>	<b>4 Nov   6 - 7 PM</b> Wednesday
<b>Andrew Stranieri</b> Federation University	<b>Real Time IoT Analytics Challenges: A Perspective</b>	<b>5 Nov   5 - 6 PM</b> Thursday
WEEK - VII		
<b>Aravinda Rao</b> The University of Melbourne	<b>Artificial Intelligence in Big Data Analytics for IoT Applications</b>	<b>10 Nov   5 - 6 PM</b> Tuesday
<b>Les Davey</b> Omnispace LLC	<b>Applications and Advancement in Satellite Technology and Agriculture</b>	<b>11 Nov   6 - 7 PM</b> Wednesday
<b>Alan Harvey</b> Acupak Pty Ltd	<b>Applications and Advancement in Energy Harvesting for IoT Systems</b>	<b>12 Nov   5 - 6 PM</b> Thursday
WEEK - VIII		
<b>Punit Rathore</b> Massachusetts Institute of Technology	<b>Big Data Clustering with Urban Analytics</b>	<b>17 Nov   12 - 1 PM</b> Tuesday
<b>Biplob Ray</b> Central Queensland University	<b>Smart Watering for Parklands - Automation and Visualisation</b>	<b>18 Nov   6 - 7 PM</b> Wednesday
<b>ISDAIOT Team</b> IEEE Victorian Section	<b>Panel Discussion Internet of Things and Data Analytics</b>	<b>19 Nov   5 - 7 PM</b> Thursday

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IEEE SYMPOSIUM ON DATA ANALYTICS AND INTERNET OF THINGS

 ISDAIOT

3-Minute Ignite Poster Presentations

**CALL FOR POSTERS**

*Poster submissions along with a short-recorded video presentation of not more than three minutes. Participants are encouraged, but not limited to the below categories:*



Submission Deadline: **October 30, 2020**

**Students | Early career Researchers | Industry Professionals**

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## CALL FOR POSTERS

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The Organizing Committee of IEEE Symposium for Data Analytics and Internet of Things (ISDAIOT) 2020, is inviting participants for 3-Minute Ignite Presentations: poster submissions along with a short recorded video presentation of not more than three minutes. The main focus of posters should be in data analytics and internet of things (IoT) applications; this could also be extended to discuss novel ideas in data science/IoT technology in the time of COVID-19 and to demonstrate emerging engineering tools to combat COVID-19. **Submission Deadline: October 20, 2020**

The submissions are accepted but not limited to the following categories:

1. New, original research works focusing on data analytics or IoT applications
2. Innovative engineering ideas or designs to combat COVID-19

To maintain uniformity, the posters are assessed separately and prizes are distributed in student, early-career researcher and industry/academic professional categories. Please note that:

- You may submit more than one poster.
- With a rolling review and acceptance, early submissions are recommended.
- Posters that involve joint authorship with students, industry and community partners are encouraged.

Interested students, early-career researchers, academic practitioners and industry partners are invited to submit 3MT Ignite Presentations (poster + short video).

### Presenter Terms & Conditions

- All participants must register for the Conference.
- Students and Postdocs are encouraged to apply.
- Ignite presentations must be recorded by the named authors. Proxies will not be permitted.
- The Organizing Committee reserves the right to accept or refuse any proposal.



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