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# UWAYE

## UNIVERSITY OF WESTERN AUSTRALIA YOUNG ENGINEERS



### Annual Report 2020

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# 2020 Annual Report

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The UWA Young Engineers is a student run chapter of Engineers Australia (EA) based at the University of Western Australia (UWA). UWAYE's mission statement is to generate and promote opportunities for the personal and professional development of all Engineering, Maths and Sciences (EMS) students at the University of Western Australia and its surrounding Universities whilst enhancing students understanding of the profession. Since our inception in 1997, UWAYE has become one of the leading societies at UWA for professional development, linking students with industry through well executed events held throughout the calendar year.

## Achieving UWAYE's Mission Statement

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UWAYE has continued to build its strong presence both on campus and across social media, delivering a diverse array of events over the last year that cater to all engineering and STEM specialisations. This has been in line with UWAYE's strategy over the past year to continually improve our strong base of professional events such as our networking evenings, campus presentations and technical events. 2019/20 has continued to see the growth and development of our social initiatives aimed at the members of UWAYE, as we strive to provide opportunities for personal development within the wider community in Engineering, Mathematics and Sciences.



**3000+**  
followers



**470+**  
followers



**1000+**  
members

# Executive Team



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# Committee Structure

## Executive Team

Project  
Lead X

Project  
Lead Y

Project  
Lead Z

Digital  
Team

Project  
Team X

Project  
Team Y

Project  
Team Z

# Statistical Review 19/20

*Over the course of 2019/20 UWAYE were able to build on success experienced over past years, and successfully implemented strategies for future events in light of COVID-19*

## 10

**TOTAL NUMBER OF EVENTS**

2019/20 saw UWAYE deliver an range of successful events to students (see page 5-8)

## 15

**INDUSTRIES REPRESENTED**

2019/20 saw the club maintain the number of industries represented (see page 8)

## 30%

**FEMALE ATTENDANCE AT UWAYE EVENTS**

The Percentage of females in attendance at UWAYE events is 15% above the Australian average for engineering graduates as per Engineers Australia reports.

## 10+

**SOCIAL INITIATIVES RUN THROUGHOUT 2019/20**



UWAYE continued to maintain emphasis on the personal development of the committee by running a series of initiatives such as internal workshops, as well as social sports and games nights.



# 2019/20 Event Review


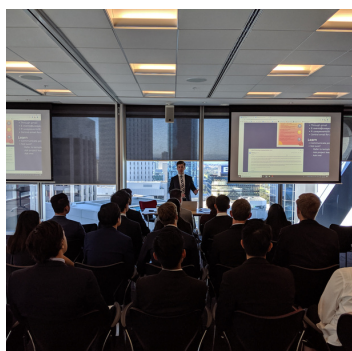
*During 2019 and 2020 UWAYE were able to deliver events ranging from workshops to hackathons, providing significant opportunities for the personal development of UWA students*

## Strategy Day

June 14, 2019 Wood. Office, Perth 


With the goal of continuing the strong growth of the club over the past two to three years, the new executive team spent a day at the Wood. offices to develop a strategy that would help guide the club through the remainder of the year. Key topics discussed were the planning of events, team structures/dynamics and new initiatives to be brought forward. This provided the framework for another outstanding year, with the strategies and initiatives created communicated to the general committee during Development Day.

## Development Day

July 29, 2019 PwC Office, Perth 


UWAYE welcomed in the new committee members for 2019/20 by hosting our first formal general committee meeting at the PwC offices. Throughout the course of the day the 2019/20 event schedule and strategy were communicated to all 35 members of committee, with activities being run throughout the day so that committee could get to know one another. Professional development sessions were run throughout the afternoon which highlighted the expectations for new committee members.

## Woodside Subsea & Pipelines Lunch and Learn

August 1, 2019 Fox Lecture Theatre 

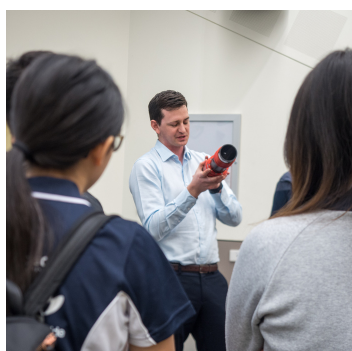
The Subsea & Pipelines (SSPL) function manages Woodside's extensive network of subsea and pipeline infrastructure in all areas of the asset lifecycle, from assessing development opportunities, executing projects, and operating and maintaining producing assets. Recent graduates and senior SSPL engineers came to discuss what a career would look like working with Woodside within the function, as well as providing insight to students about the recruitment process.

## RTSA Challenge

August 8, 2019 The Circle, Reid Library 


On behalf of Rail Technical Society of Australasia (RTSA), UWAYE ran an information session for all UWA engineering students to take part in the RTSA Challenge 2019. The RTSA Challenge information session is a long standing collaboration, and featured a 45 minute presentation by two presenters from the rail industry, who provided information about the technical topic for the RTSA Challenge and opportunities for engineering careers within the rail sector.

## Woodside Drilling & Completions Lunch and Learn(s)

August 6, 2019 & March 10, 2020 Alexander Lecture Theatre 


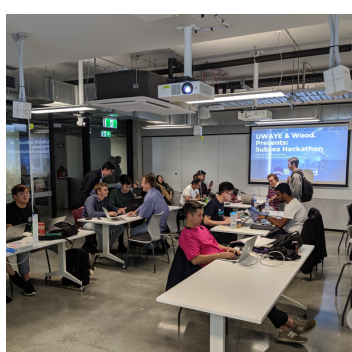
UWAYE in collaboration with the Woodside Drilling and Completions team hosted two lunch and learn events which provided an introductory information session into the day to day roles of a graduate within the team. It also included a technical introduction to the complexities of drilling and completion engineering and it's role in Woodside's value chain. Students were able to discuss first hand with Woodside employees what they look for in applicants applying for the program whilst also being able to learn about what work they could be expected to complete within the team.

## WiEMS x UWAYE Soft Skills Workshop

August 15, 2019 Maltida Bay Restaurant 


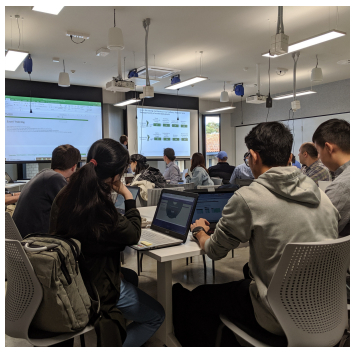
WiEMS and UWAYE collaborated for the first time to deliver a novel event which aimed to give students an appreciation of the soft skills relevant to industry and avenues to develop them. The event was highly interactive, with companies running workshops based on a selected soft skill, with students rotating between tables to hear the insights each company had to offer.

## Wood. Subsea Hackathon

September 2, 2019 Wood. Offices & UWA 


UWAYE's Hackathon for the year partnered with Wood. to tackle a complex problem, based on applying machine learning algorithms to improving subsea infrastructure maintenance and degradation detection. Unlike past hackathons, the event was split over two days, which saw teams tackle the problem within the Wood. offices on the first day, before presenting results at Ezone at UWA the day after. The winning team received a cash prize and completed internships at Wood. during the vacation period.

## Visagio Excel Workshop

September 3, 2019 Ezone, UWA 


UWAYE welcomed management consulting firm Visagio to UWA to deliver an advanced excel workshop to STEM students and those interested in consulting. This focused on the industry applications of excel, and the usefulness of VBA/Macros in data analysis and other tasks within the workplace.

## UWAYE x NAWO: Building & Leading Diverse Teams

September 12, 2019 Ezone, UWA 


UWAYE and the National Association of Women in Operations (NAWO) were proud to present, Building and Leading Diverse Teams. The event was run in collaboration with student clubs WIOG, FAWA and ECOMS and discussed the strategies to engage teams as a leader and the strategies employed to help everyone reach their full potential. Following the presentation, students had the opportunity to network with more professionals from a diverse range of industries and occupations over food and drink.

## Technology in Engineering

October 9, 2019 UWA Oceans Institute, UWA 

The night consisted of a series of TED-style talks from leading companies in a variety of industry sectors. With insight from high profile speakers, students had the opportunity to learn about the cutting-edge technology that each company has recently implemented or intend to develop, and how this will shape the future landscape of the engineering industry. UWAYE were grateful to hear from leading companies such as Woodside, Chevron, Wood. and 5D Clinics

## Microsoft Protege Launch

March 26, 2020 Online Workshop 

UWAYE continued their collaboration with Microsoft in the launch of the Microsoft Protege event, this year taking the form of an online workshop. Representatives from Microsoft came to describe their annual competition for students at universities with the opportunity for successful students to fly to their head office in Sydney to present their solutions.

# Sponsors

wood.

HATCH



Santos



VISAGIO

RioTinto





# Committee



## Message from the Chairperson

I'm very pleased to present the achievements of the UWA Young Engineers over the last year in the form of the annual report. A special word of thanks goes to each of our sponsors, as without them none of our events would be possible.

UWAYE's continued growth as a club is evident in the outstanding attendance and engagement from students at UWA and the other surrounding universities here in WA. Furthermore, UWAYE has also delivered on its intention to continue to improve the culture within the club through frequent social events, social sport and other initiatives for the committee and other members.

I would also like to personally thank everyone on the UWAYE executive and the committee for their hard work over the past year and to wish the 2020/21 Executive team all the best for the coming year. UWAYE is positioned strongly under the leadership of Josephine Liantono and I am excited to see where her team take the club over the coming year.

A handwritten signature in black ink that reads "N. Letizia". The signature is written in a cursive, flowing style.

**Nathan Letizia**  
Chairperson 2019/20

# UWAYE 2020/21 Executive Team



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