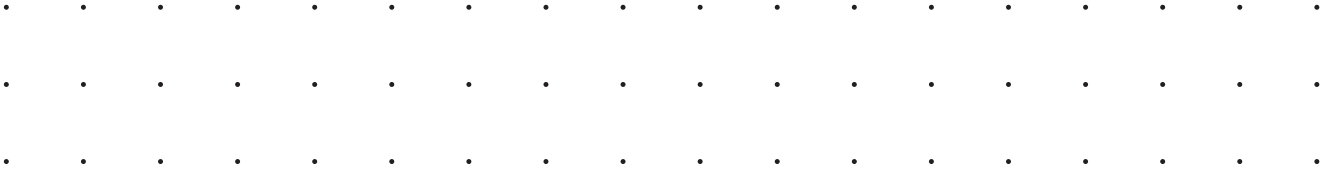




Swinburne University of Technology Sarawak Campus, Malaysia

Graduation Ceremony Program

Borneo Convention Centre Kuching (BCCCK)
Thursday 3 October 2024



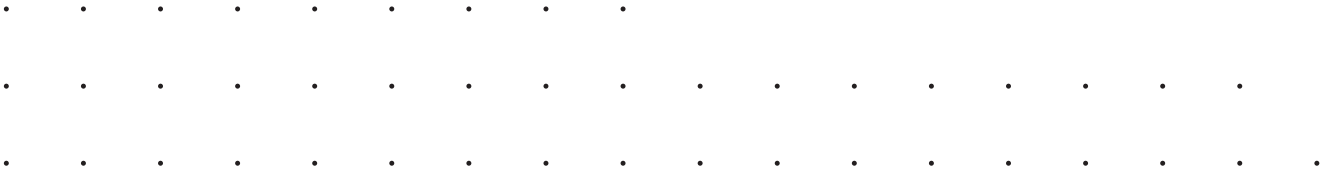
Swinburne University of Technology Sarawak Campus, Malaysia

Graduation Ceremony Program

Thursday 3 October 2024, 10.00 am

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Information for guests



Welcome to Swinburne University of Technology. The following information is provided to help ensure the comfort, safety and enjoyment of all guests during the graduation ceremony. Please take a moment to read it prior to the ceremony.

- All guests should be seated 15 minutes prior to the ceremony starting time.
- The ceremony will run for approximately 90 minutes.
- Ushers will show you to your assigned guest seating and can provide you with information, assistance and advice.
- Guests are asked to remain in their seats for the entire ceremony. When the academic procession enters the venue, guests and graduates are asked to stand and remain standing until after the National Anthem.
- Our graduation custom is that each graduate is applauded as their name is announced. We encourage all guests and graduates to join us in following this tradition.
- Please note that the ceremony will be photographed and recorded.
- Please ensure all mobile phones are turned off during the ceremony.
- In the event an emergency evacuation is announced, please follow instructions and exit the venue promptly under the directions provided.

Selamat datang ke Swinburne University of Technology Sarawak Campus. Maklumat berikut disediakan bertujuan bagi memastikan keselesaan, keselamatan dan kesejahteraan semua tetamu ketika majlis graduasi. Para tetamu diminta untuk membacanya sebelum majlis bermula.

- Semua tetamu dinasihatkan untuk duduk ditempat yang telah disediakan 15 minit sebelum majlis bermula.
- Majlis ini dijangka akan berlangsung selama lebih kurang 90 minit.
- Pengiring tetamu akan mengiringi anda ke tempat duduk tetamu dan akan membantu anda dengan sebarang maklumat, bantuan dan nasihat jika diperlukan.
- Para tetamu adalah diminta untuk kekal berada di tempat duduk di sepanjang majlis sedang berlangsung.
- Sewaktu perarakan akademik dan juga pihak Majlis Tertinggi Universiti memasuki dewan, semua tetamu dan graduan diminta berdiri dan kekal berdiri sehingga selesai menyanyikan lagu kebangsaan.
- Sepertimana kebiasaan di majlis graduasi tepukan gemuruh adalah disyorkan apabila nama setiap graduan diumumkan. Kami amat menggalakkan agar semua tetamu dan graduan dapat mengekalkan tradisi ini.
- Mohon ambil perhatian bahawa seluruh perjalanan majlis ini akan dirakam melalui video dan juga foto.
- Sila pastikan semua telefon mudah alih dimatikan atau dalam mod senyap semasa majlis berlangsung.
- Sekiranya berlaku pengumuman amaran kecemasan, sila keluar dari dewan dengan segera menurut arahan yang disediakan.

欢迎来到斯威本科技大学。以下信息旨在帮助各位来宾便利、安全、愉快地参加毕业典礼。在参加典礼前,请稍花时间阅读本文。

所有来宾都应当在典礼开始前 15 分钟入座。典礼全长约 90 分钟。接待员会引领您入座,并提供相关信息、协助和建议。

典礼进行期间来宾不可离座。学校领导人进入典礼会场时,来宾和毕业生需起立,直到唱国歌结束后方可就座。

本校毕业典礼的惯例为:在宣读每一位毕业生姓名时均鼓掌致意。请全体来宾和毕业生按惯例一起送上祝贺。

请注意,典礼期间会拍照并录像。

典礼期间请务必关闭手机。

若宣布紧急疏散,请遵照指示行动,按要求及时撤离会场。

සිව්තර්ත තාසන විශ්වවිද්‍යාලය ඔබට සාදරයෙන් පිළිගනී. පහත සඳහන් කර ඇති තොරතුරු, උපාධි ප්‍රධානත්සවයේදී සියළුම අමුත්තන්ගේ පහසුව, ආරක්‍ෂාව සහ ආස්වාදය සහතික කිරීමට උපකාරවේ. එමනිසා, උත්සවයට පෙර මෙය කියවීම සඳහා කාලය වෙන් කර ගන්න.

සියළුම අමුත්තන් උත්සවය ඇරඹීමට මිනිත්තු 15කට පෙර අසුන්ගත යුතුය. උත්සවය අවසන් වීමට මිනිත්තු 90ක පමණ කාලයක් ගතවේ.

ආසන පෙන්වන අය විසින් ඔබට අමුත්තන් අසුන් ගන්නා ප්‍රදේශය පෙන්වන අතර අවශ්‍ය තොරතුරු උපකාර සහ උපදෙස් ඔබ හට ලබාදෙනු ඇත.

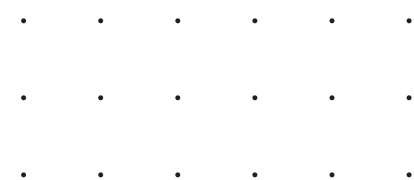
උත්සවය පවත්වන මුළු කාලය පුරාම සිය අසුන්වල රැඳී සිටින ලෙස අමුත්තන්ගෙන් ඉල්ලා සිටීමු. අධ්‍යාපනික කාර්යය මණ්ඩලය ආලාව වෙත පැමිණෙන අවස්ථාවේ සිට ජාතික ගීය ගායනා කර අවසන් වන තෙක්, අමුත්තන් සහ උපාධිධාරීන් හට සිටගෙන සිටින ලෙස ඉල්ලා සිටීමු.

අපගේ උපාධි ලබාදීමේ චාරිත්‍රය වන්නේ එක් එක් උපාධිධාරීන්ගේ නම කතා කරන විට ඔල්වරසන් දීමවේ. සියළුම අමුත්තන් සහ උපාධිධාරීන්ව මෙම සම්ප්‍රදාය අනුව කටයුතු කරන ලෙසට අපි උනන්දු කරමු.

උත්සවය ආරාඪාපහන කිරීම සහ විඩියෝ පටිගත කිරීම කරන බව කරුණාවෙන් සටහන් කර ගන්න.

උපාධි ප්‍රධානත්සවය අවස්ථාවේදී සියළුම ජංගම දුරකථන නිවා තිබෙන බවට වගබලා ගන්න.

හදිසියේ ආලාවෙන් ඉවත් කිරීමක් නිවේදනය කල අවස්ථාවක, කරුණාකර උපදෙස් අනුව කටයුතු කරමින් ලබාදී ඇති මාර්ගෝපදේශ අනුව හැකි විගස ස්ථානයන් පිටත්ව යන්න.





Message from the Premier of Sarawak and Pro Chancellor

Heartiest congratulations to you on your graduation.

As graduates of Swinburne, I am confident that you have obtained an enriching university experience that has shaped your views and built your character. I am also certain that you are well-imbued with the attributes of Swinburne's 2025 Vision that will enable you to be a job taker or a job creator in a future world of work defined by technology, innovation and entrepreneurship. The Swinburne Values embedded into your university experience would have also equipped you with the skills and qualities needed to create a positive impact in the communities where you live or work.

In addition to being well-versed in the values of "Research with Impact" to transform industries, shape lives and communities, you have also been primed for "Innovative Enterprises" where agility, resilience and responsiveness will give you an edge in the constantly changing and increasingly challenging business and work environment.

Following your graduation, you are now ready to join the workforce or to be an entrepreneur. Whatever your career path, it is now both an exciting and challenging time, especially for Sarawakians given Sarawak's goal to achieve developed status by 2030, with the Post Covid-19 Development Strategy (PCDS 2030) where Sarawak will be a thriving society by 2030 with its people enjoying economic prosperity, social inclusivity and sustainable environment driven by data and innovation. This demands new skills and a shift in our thought process to drive innovation and growth in creative, responsible and sustainable ways.

I believe a tertiary education must not only amount to merely obtaining a degree. It must also enable you to think critically, be creative and innovative, and allow you to maneuver through challenges and change confidently. In pursuing your career, it is required of you to always uphold your personal and professional integrity, and take responsibility for your actions. Equally important, do always take it upon yourself to give back to the community by employing the knowledge and know-how you have obtained to make life more meaningful for yourself and others.

Today, your graduation is also a celebration for your loved ones who have stood by and encouraged you throughout your university education. Let us also take this opportunity to thank them, as your success is also their success.

"Selamat Berjaya" as I wish you success in your career and your future undertakings. I am certain that you have made lifelong friendships during your study and do always stay in touch with your alma mater to give feedback. I sincerely hope that you will have fond memories of your time in Sarawak and we always welcome you back again to the Land of the Hornbills.

Thank you.

**The Right Honourable Datuk Patinggi Tan Sri (Dr.)
Abang Haji Abdul Rahman Zohari Bin Tun Datuk Abang
Haji Openg**
Premier of Sarawak and Pro Chancellor

Message from the Vice-Chancellor

Congratulations to all who are graduating!

Graduation is a significant step in your education. You have fulfilled the requirements of a demanding program of study and today's ceremony provides an opportunity to celebrate your achievements.

The completion of your qualification is a tremendous personal accomplishment. It is also a milestone shared by staff, family and friends who have contributed to your success.

I hope you take pride in knowing that you graduate from Swinburne University of Technology with a high-quality education, obtained from a world-ranked university.

This education positions you to prosper and participate more fully in the dynamic, knowledge-based, global economy. Now, more than ever, today's graduates must have the skills and attitude the future workforce needs – the capacity to learn and be flexible, creative problem-solvers.

At Swinburne, we embrace the notion that we are all learners for life. Your graduation isn't just an end point to your educational adventures – you will craft new career directions as opportunities emerge and develop new knowledge and skills as your career evolves.

I encourage all of you to address the new challenges that face you and your community and make a positive contribution. Seize these opportunities and help shape the future.

We are delighted to welcome you as Swinburne alumni and will take pride in hearing of your achievements. We look forward to welcoming you back to Swinburne in the future, either in person or through one of many online learning opportunities, to help you further your knowledge.

Once again, I offer my warm congratulations on successfully completing your program. Your newly acquired education will serve you well throughout your life. Be proud of what you have worked to achieve and remember those who have supported you to reach this end.

I sincerely wish you every success as you enter this next exciting stage of your life and career, and invite you to stay in touch with your Swinburne community, wherever life takes you.

Professor Pascale G. Quester
Vice-Chancellor and President
Swinburne University of Technology



Message from the Chairman of the Board of Directors

On behalf of the Board of Directors, may I convey our heartiest congratulations to all graduates for your achievements.

Together with your family members, friends and dedicated Swinburne staff, we are proud to witness this significant event today. It is your hard work, commitment and sacrifices that have brought you to receive the internationally recognised Swinburne testamur. At this graduation event, not only do we celebrate your success but also recognise the support your family, friends and lecturers have played in your journey as a university student.

We are proud to acknowledge that graduates from Swinburne's Sarawak campus are pursuing careers throughout the country and abroad. Many are employed by the Top 100 global brands in industries such as financial services, manufacturing, oil and gas, construction, computing, transportation, pharmaceutical and others. Because Swinburne Sarawak graduates are awarded the same internationally recognized Australian qualification by our home campus in Melbourne, Australia, they have wider career options across the globe.

I trust Swinburne's personalised, industry-focused education has prepared you well for your career. Our professional placements and internships, accreditation placements, industry study tours and industry-linked projects, flexible learning and student mobility options, as well as student development programmes are just some of what we refer to as 'The Swinburne Advantage'. I hope you have had the opportunity to participate in these activities where students gain valuable industry insights and network with professionals from multiple disciplines. Swinburne will continue to provide a high-quality Australian education and we have invested RM50 million to further modernise facilities including teaching and learning spaces, accommodation, the cafeteria and student hub. The infrastructural upgrades are vital to enhancing 21st century student experience in preparing them for the future of work in a digital-led environment.

Your graduation today is certainly not an end goal in itself but a launching pad for further achievements. I hope your experience at Swinburne Sarawak has enriched your growth as an individual and opened many opportunities for you in the future.

Once again, congratulations.

Datuk Amar Jaul Samion
Chairman of the Board of Directors



History of the University



The Swinburnes lived for many generations in Northumberland, in the north of England. In early times, the family owned a castle on the banks of the Swin Burn, the brook of the boars. By 1245 the Swinburne coat of arms was 'Gules: three boars heads argent'.

George Swinburne arrived in Melbourne in 1886, aged twenty-five. His early days in Melbourne were spent setting up gas plants and bringing gas-light to the cities and towns. As his business stature increased, he entered State Parliament and became a minister.

Swinburne was established as the Eastern Suburbs Technical College by George Swinburne and the first students were enrolled in 1909, when classes began in carpentry, plumbing and blacksmithing. In 1913 the institution changed its name to Swinburne Technical College, to commemorate the Honourable George Swinburne. Soon afterwards, a boys' junior technical school and the first girls' technical school were established.

Following an extensive reorganisation of advanced education in Victoria in the late 1970s, Swinburne was given the power to grant bachelor degrees. The first of these was awarded at a conferring ceremony held on 21 May 1981 at the Camberwell Civic Centre.

In 1992, Swinburne achieved university status with the passage by the Parliament of Victoria of the Swinburne University of Technology Act. This marked not only Swinburne's distinguished history as a provider of further education, but the beginning of a new period of growth and innovation for Swinburne.

In recent years, Swinburne has progressed to become one of the world's leading research-intensive teaching universities and a leader in online education, expanding the educational opportunities available to a new generation of learners.

Swinburne's emphasis is on high-quality, engaged teaching and research in science, technology and innovation – teaching and research that makes a difference in the lives of individuals and contributes to national economic and social objectives.

Swinburne holds a unique place among educational institutions in Australia in the link that persists between it and the founder and his family. The conferring of a modification of the family's coat of arms preserves and strengthens that link.



Establishment and History of the Sarawak Campus

Swinburne University of Technology Sarawak Campus is the result of a successful combination of goals:

Malaysia's goal of becoming an educational centre of excellence, Sarawak's goal of increasing its technical workforce and Swinburne University of Technology Australia's goal of globalising its operations to provide its students with additional international opportunities while providing quality Australian degrees at affordable costs for students from across Asia.

The Sarawak Campus was established in Kuching, the capital city of the Malaysian state of Sarawak, in 2000. Originally known as Swinburne Sarawak Institute of Technology, it was awarded university status as a foreign branch campus university by the Malaysian Government in 2004 and became Swinburne University of Technology Sarawak Campus. The University therefore has dual nationality, being both a branch of the Australian university as well as a Malaysian university. Degrees awarded are Australian and testamurs are indistinguishable from those awarded in Australia.

The University is jointly owned by Swinburne University of Technology Australia and the Sarawak Government through Yayasan Sarawak (Sarawak Foundation) and Sarawak Higher Education Foundation.

Swinburne Sarawak was founded as part of the Government of Sarawak's strategy to deliver skilled human capital to the engineering and technical fields for the industrialisation needs of the state. The Australian partner in this venture, Swinburne University of Technology is well-known in Australia for its business and technical education and for close links with industry. The University wants to make the same high standard of education available to young people abroad.

Undergraduate degrees offered at Swinburne Sarawak include courses in the areas of Business, Computing, Design, Science and Engineering including double degrees. The University also offers postgraduate by coursework and research programs at PhD and Masters levels in these disciplines while the School of Foundation Studies offers a wide range of preparatory and English language enhancement programs.

The 16.5-acre city campus is only about 15 minutes from the city centre and less than two hours flight from Kuala Lumpur, lesser if you're flying from Singapore. Home to 4,600 students and more than 300 staff, Swinburne is also home to students from more than 45 countries.

After eight years in operations, the Sarawak Campus saw its first expansion where eight new custom designed buildings were added to the campus. This increased the total number of buildings to 12, thus greatly improving teaching and learning facilities, research capabilities and ensures the comfort of our students with an upgraded student accommodation.

In 2020, the university embarked on a campus redevelopment project to fulfil its commitment to enhancing the campus experience for students. Up to RM50 million were invested into enhancing our research, teaching and learning laboratories, student accommodation and cafeteria among others. These upgrades provide students with quality Australian education at affordable fees, preparing graduates for the future of work with flexible and innovative teaching and learning culture.



Ceremony traditions

The mace and the chairs

In universities, a mace is used as a symbol of institutional authority and it is carried in procession before the Chancellor, and here in Kuching, the Pro Chancellor, as a symbolic weapon of protection and power.

Along with academic dress and graduation ceremonies, the mace is part of the ancient ceremonial that marks the authority of the University and its chief office bearers, the importance of learning and knowledge, and which welcomes the graduate into a special and select group of learned men and women. The ceremony marks the formal entrance of the graduate, who as a student, is considered 'in training', into the academic family of the university. The Mace accompanies the Chancellor, the Pro Chancellor and the academic procession into the hall and remains on view, mounted on a stand, during the ceremony. At the end of the ceremony, it is carried out in the procession.

The Swinburne Sarawak Mace Suite is a sister suite to that used by Swinburne Melbourne. The Melbourne suite is fabricated in Queensland Silk Oak, a beautiful Australian timber. The Sarawak suite is fabricated in Belian, a beautiful and revered Sarawakian timber. In fact, part of the timber in the mace comes from the family house of YBhg Datu (Dr) Haji Abdul Rashid Bin Mohd Azis, a foundation member of the University, creating a living link between Sarawak's rich historical past and the future promise of education and development.

A finial, a type of crown crafted in solid silver and gold is mounted at the top of the mace. The Australian crown contains a miniature carving of the University crest. The carving inside the Sarawakian crown has incorporated the hornbill, the State emblem, centered in a wreath of Eucalyptus and Belian leaves, to symbolise the blending of two cultures and two histories. In both cases the carving incorporates a book with a heraldic cinquefoil, from the French 'cinque feuilles' meaning 'five leaves', which dates from the family crest of George Swinburne, the University's founder. The book is a symbol of knowledge and learning incorporated into the Swinburne crest by the Royal College of Heralds, London. The tail of the mace is finished in solid silver



The two ceremonial chairs are for the Chancellor and the Pro Chancellor. The University motto: 'Factum per Literas' which refers to achievement through learning, is part of a ribbon carved into the back of the chairs. Small silver stars of the Southern Cross constellation, also contained in heraldic form in the University crest, are mounted into the backs of the chairs. The chairs sit to the front of the dais in the traditional attitude of enthronement.

Distinguished artisans and craftspeople involved in the project with the designer were:

- Hendrik Forster, silversmith, who crafted the silver and gold crown and the silver mace stand brackets,
- Iann Higgs, cabinetmaker, who created the timber components of the mace, mace stand and chairs,
- Marion Marshall, silversmith, who crafted the stock tail and the stars of the Southern Cross,
- Sue Wraight, netsuke carver, who created the hornbill miniature carving.

Professor Roger Simpson and Ms Monique Jedwab contributed to project management and detailing.

The ceremonial items of the office of the Chancellor and Pro Chancellor of Swinburne Sarawak were designed by Emeritus Professor Helmut Lueckenhausen, the former Pro Vice-Chancellor and Chief Executive Officer Swinburne Sarawak.

Ian Higgs made the timber components at the training workshop of the Sarawak Timber Industry Development Corporation at Kota Samarahan, supported by members of STIDC and particularly through the kind offices of YBhg. Datuk Haji Len Talif Bin Salleh, the former General Manager.

Ceremonial regalia

Chancellor

A black gown of English Queen's Counsel style, with ten gold bands on the sleeves and scarlet satin trimmings on the front, collar and bottom edge of the gown. A black velvet trencher with gold trim on the base and a gold braid and tassel is worn.

Deputy Chancellor

A black gown, similar in style and colour to the Chancellor's, with five gold bands on the sleeves. A black velvet trencher with a gold cord and tassel is worn.

Vice-Chancellor

A black gown of English Queen's Counsel style, with ten silver bands on the sleeves and scarlet satin trimmings on the front, collar and bottom edge of the gown. A black velvet trencher with silver trim on the base and a silver cord and tassel is worn.

Deputy Vice-Chancellors

Based on the design of the Vice-Chancellor's regalia, a Deputy Vice-Chancellor's regalia is of similar style and colour, but with five silver bands on the sleeve. The mortar board of a Deputy Vice-Chancellor has no braid on the bottom.

Members of Council

Council members wear a university stole featuring the Swinburne Coat of Arms with the academic dress for their qualifications. The stole is cherry red with an embroidered crest at the base of each side of the stole, and is worn with the colour and crest showing on both sides.

Academic and administration staff

Academic dress for their qualifications, or the Swinburne equivalent.

University Council Swinburne Melbourne

Chancellor

Professor John Pollaers OAM

BElecEng (First Class Hons) (UNSW), BSc (UNSW), MBA (MU & INSEAD)

Mr William Lye OAM KC FRI

BSc (Comp), LLB, LLM (Monash), MEI (SUT)

Deputy Chancellor

Mr Anthony Mackay AM

BEC, Bed (Monash), MA (EcEd) (Lon), FACE, FACEL, FIPAAV, FRSA

Mr Richard Simpson

BE Mech (Hons) (Melb), AMP (Oxford)

Chair Academic Senate

Professor Tara Magdalinski

BHMS (Hons) (UQ) PhD (UQ)

Mr John Chambers

BEC (MU), GAICD

Ms Karen Clarke

GradCert, Emerging Tech and Law (RMIT), MA (Comm) (SUT), CPA

Dr Leonie Walsh

BSc (SUT), MSc (SUT), Exe MBA (UNSW), GAICD, FTSE, HonDUniv (SUT)

Vice-Chancellor and President

Professor Pascale G. Quester

DESCAF, MA (OSU), PhD (MU), NOM (Knight), GAICD

Ms Bronwyn Smith

BA Psych (Hons) (JCU), GradCertEd (JCU)

Ms Rae Johnston

Mr Kishaun Thiruchelvam

Professor Tien Kieu

B. Sc Applied Maths & Physics (Hons), (UQ), PhD Theoretical Physics, (Edin)

Members of the University Council and the Board of Directors Swinburne Sarawak



The Right Honourable Datuk Patinggi Tan Sri (Dr.) Abang Haji Abdul Rahman Zohari Bin Tun Datuk Abang Haji Openg

MBA (Brunei),
Honorary Doctorate in Business and Management (UCTS),
Honorary Doctorate in Economic Development (UNIMAS),
DUniv (honoris causa) (SUT),
P.M.N., D.P., D.A., P.N.B.S., J.B.S.

YBhg. Datuk Amar Jaul Samion

MBA (Corporate) (Ohio University), BEcon (UM), Senior Executive Fellows, Kennedy School of Government (Harvard University), Senior Management Development Program (Harvard University)

Professor Pascale G. Quester

DESCAF, MA (OSU), PhD (MU), NOM (Knight), GAICD

YAB Dato Sri Haji Fadillah Bin Haji Yusof

LLB(Hons) (UM), A.B.S., P.G.B.K, P.N.B.S

YBhg. Tan Sri Datuk Amar (Dr.) Haji Abdul Aziz Bin Dato Haji Husain

BEcon (UM), MBA (Syracuse),
DUniv (honoris causa) (SUT)

Adjunct Associate Professor Datin Amar Enn Ong Siok Ean

BEc, GradDipBusSys, MBusSys (Monash)

YBhg. Datuk (Dr.) Philip Ting Ding Ing

AM (Aus), BBus (SUT), DUniv (honoris causa) (SUT), CA (Aus), CA (M), CPA (M)

YBhg. Datuk (Dr.) Wan Abdul Kadir @ Wan Ali Bin Wan Yubi

DipEd (UM), DipCom, BEcon (UM),
MEd (Birmingham),
DUniv (honoris causa) (SUT)

Professor Simon Ridings

PhD (University of Queensland)

Dr. Douglas J. Proctor

BA (Hons) (York), M. ès L. (Reims Champagne-Ardenne), DEA (Nouvelle-Calédonie),
MPubPolicy&Gov (Deakin),
PhD (Melbourne)

Professor John L. Wilson

BE (Hons) (Monash), MSc (California),
PhD (Melb)

Ir. Professor Lau Hieng Ho

BEng (Hons) (Civil), PhD, MIEM, P.Eng,
MIEAust, CPEng, NER

YBhg. Datu Jumastapha Bin Lamat

BAcc (UM), MBA (Scranton)

YBhg. Datin Aisah Eden

BALaws (Hons) Anglia Ruskin University,
Barrister-at-Law Lincoln's Inn, UK,
MBA (University of Exeter)

Dr. Norisah Binti Suhaili

DipEd (UIAM), BA (Hons) (UKM), Master (Curriculum) (University of Houston),
PhD (Curriculum) (UIAM)

Tuan Haji Mersal Bin Abang Rosli

DipAcc (UiTM), BAcc (Hons) (UiTM),
MScMgt (Accounting & Planning) (UUM),
C.A(M), CFP

En. Watson Chunggat Leonard Doo

BBA (Hons) (Marketing) (UiTM), MSc HRD (UNIMAS)

En. Mohamad Adzlie Bin Ibrahim

MBA (UMK)

Elected by Academic Staff

Professor Ida Fatimawati Binti Adi Badiozaman

BEd (TESL) (UM), MA(TESOL) (Vic. Uni., NZ),
PhD (Education-TESOL) (Massey University, NZ)

Elected by Professional Staff

En. Mohamad Safaree Bin Sapuan

BComm (PR) (Hons) (UiTM)

Elected by Students

Mr. Ewen Elisha Kim Suan KHOO

Academic regalia

The academic dress worn at Swinburne today is a modification of everyday dress worn by scholars and teachers in the Middle Ages and the Renaissance. It consists of a gown and a scarf-like stole or hood, which is a remnant of the cowl that was once worn to cover the head and shoulders to keep off the rain and snow. Trencher caps or bonnets are worn as indicated below, with the tassel down over the left eye and in a vertical position.

The style of academic dress adopted by Swinburne University of Technology is based on that of the University of Oxford.

Honorary doctorate

A cardinal red gown with silver grey front and sleeve facings. The hood is cardinal red, fully lined in silver grey and is worn with grey showing on both shoulders. A tudor bonnet with a silver cord and tassel is worn.

Honorary master degree

A cardinal red gown with silver-grey front facings. The hood is cardinal red, fully lined in silver grey and is worn with silver grey showing on both shoulders. A black trencher with a silver cord and tassel is worn.

Doctor of philosophy

A black gown faced with chilli red and silver grey. The hood is chilli red, fully lined in silver grey and is worn with silver grey showing on both shoulders. A tudor bonnet with a scarlet cord and tassel is worn.

Professional doctorate

A black gown faced with chilli red and the discipline colour. The hood is chilli red, fully lined in the discipline colour, and is worn with the discipline colour showing on both shoulders. A tudor bonnet with a scarlet cord and tassel is worn.

Double masters degree

A black master gown, hood and trencher. The hood is black, and fully lined with the colours of both disciplines. It is worn with the colours showing on both shoulders.

Masters degree

A black master gown, hood and trencher. The hood is black, fully lined with the discipline colour, and is worn with the colour showing on both shoulders.

Graduate diploma

A black gown, stole and trencher. The stole is black, lined with the discipline colour, and is worn with the colour showing on both sides.

Graduate certificate

A black gown, stole and trencher. The stole is black, lined with the discipline colour, and is worn with the colour showing on the left-hand side.

Bachelor honours degree

A black gown, hood and trencher. The hood is black, half lined with the discipline colour and laced with a silver braid, and is worn with the colour showing on the left-hand side.

Double bachelor degree

A black gown, hood and trencher. The hood is black, half lined with the colours of both disciplines, and is worn with the colours showing on the left-hand side.

Bachelor degree

A black gown, hood and trencher. The hood is black, half lined with the discipline colour, and is worn with the colour showing on the left-hand side.

Associate degree

A black gown, stole and trencher. The stole is black, lined with the discipline colour, and is worn with the colour showing on the right-hand side.

Advanced diploma, associate diploma and diploma

A black gown and stole. The stole is black, lined with the discipline colour, the right-hand edge being trimmed with white cloth, and is worn with the colour and white trim showing on the right-hand side.




















Advanced certificate, certificate IV, certificate III and apprenticeship

A black gown is worn.

Indigenous stole

A stole in the colours of the Aboriginal Australian flag can be worn by indigenous graduates and staff at graduation ceremonies. The stole is worn under any academic colours, or where there are no academic colours (i.e. certificate and apprenticeship recipients) the stole is worn under the gown.

Academic regalia discipline colours

Agriculture and Horticulture		Brunswick Green
Applied Science		Brick Red
Arts Social Science		Cranberry
Business		Buff
Business Administration		Buff/Malachite Green
Circus Arts		New Sapphire
Design		Marina Green
Education		Cream
Engineering		Saxe Blue
Entrepreneurship and Innovation		Sky Blue
Health Professions		Teal
Health Science		Cerise
Information Technology		Tangerine
Laws		Royal Purple
Multimedia		Citrus
Research		Silver Grey
Sustainability		Heliotrope
Technology		Royal Blue
Doctor of Philosophy		Chilli Red/Silver Grey

Thursday 3 October 2024, 10.00 am

Participating Officers

Vice-Chancellor and President, Swinburne University of Technology, Presiding Officer

Professor Pascale G. Quester
DESCAF, MA (OSU), PhD (MU), NOM (Knight), GAICD

Pro Vice-Chancellor and Chief Executive Officer, Swinburne University of Technology Sarawak Campus

Ir. Professor Lau Hieng Ho
BEng (Hons) (Civil), PhD, MIEM, P.Eng, MIEAust, CPEng, NER

Graduate Presenters

Dean, Faculty of Business, Design and Arts,
Swinburne University of Technology Sarawak Campus

Professor Brian Wong Kee Mun
BBA (UKM), FCIM (UK), MBA (UM) PhD (UM)

Dean, Faculty of Engineering, Computing and Science,
Swinburne University of Technology Sarawak Campus

Ir. Professor Su Hieng Tiong
BEng (Hons) (Liverpool), PhD (Birmingham)

Research Degree Presenter

Deputy Pro Vice-Chancellor (Research),
Swinburne University of Technology Sarawak Campus

Professor Ida Fatimawati Binti Adi Badiozaman
BEd (TESL) (UM), MA (TESOL) (Vic. Uni.,NZ),
PhD (Education-TESOL) (Massey University, NZ)

Mace Bearer

Ir. Associate Professor Dr. Chua Hong Siang
BEng (Hons) (UMIST, UK), PhD (The University of
Manchester,UK), PEng, CEng, MIET, MIEEE, MICST

Master of Ceremonies

Ms. Norizan Tan
BEd (Hons) (TESL) (UiTM), PGrad Dip (TESOL) (RELC),
MA (TESOL) (SUT)

Doa Reciter

Ts. Dr. Muhammad Rafiq Mirza Bin Julaihi
BEng (Hons) (Materials) (IIUM), MEng, PhD (Hokkaido),
Grad. BEM, MIEAust CPEng APEC Engineer IntPE(Aus)

Student Response

Ms Adeline Qian Yi YONG

Order of proceedings

The Academic and Official Party Procession

The academic and official party will enter the Great Hall at 10.00 am.

Music Processional

The audience is requested to stand as the procession enters the Great Hall.

The National Anthems

The audience will sing the Malaysian National Anthem (Negaraku), Australian National Anthem (Advance Australia Fair) and Sarawak State Anthem (Ibu Pertiwiku). The words are printed inside the back cover.

The audience will sit when the Presiding Officer is seated.

Doa Recital

Welcome Address by Pro Vice-Chancellor

The Pro Vice-Chancellor, Ir. Professor Lau Hieng Ho will welcome all and introduce the people who are seated on stage.

The Opening

The Vice-Chancellor and President, Professor Pascale G. Quester, will open the proceedings.

The Presentation of Awards

The Vice-Chancellor and President, Professor Pascale G. Quester, will present the awards.

The Student Response

Ms Adeline Qian Yi YONG, will deliver the student response.

The Charge to Graduates

The Vice-Chancellor and President, Professor Pascale G. Quester, will deliver the charge to the graduates.

The Closure

Master of Ceremonies, Ms. Norizan Tan, will close the proceedings.

The audience is requested to remain standing as the procession, joined by the new graduates, leaves the Great Hall. The audience will leave the Great Hall via the exit doors.

Music Recessional

This program contains the names of all graduates entitled to awards. For graduates who are unable to attend in person (names in *Italics*), the awards will be made in absentia.

Award recipients

Faculty of Business, Design and Arts

Diploma of Accountancy

Jessica Sze Ting CHEW

Diploma of Business Management

Bernard Toh Ching WONG
Cheau Shin LIEW
 Dayang Nur Syurina Syuhada BINTI ABANG ZAIDEL
Dennis Hou Ang LOW
Franco Wai Keong WONG
Freddy Li Jie CHANG
Jason Rong Jie LEE
Joey Jia Xuan SIM
 Mira Aleszandra ANAK ATTA
 Shadmany Akbar SUJANA
Sherlynn Xin Yii TAN
 Yan Hao CHIN

Bachelor of Business (Accounting)

Cindy Hsing Ying SIA
 David Christopher SMITH
Eddy Kai Shen CHAN
 Elaine Ying Hui WONG
 Emily Wei Yng CHUA
 Ivan Maximillian Shi Heng TING
 Joanna King Xuan WONG
 Jonah Joo Hong KUEK
 Joseph Ling VU
 Wafi Zakirah BINTI ARSHAD
 Wei Qin LING

Bachelor of Business (Accounting and Finance)

Adwin Nyap Soon CHIN
 Aisyah Lim BINTI ADAM LIM HUA KIANG
 Alex Shi Chee WONG
 Andrew Shi Wei SIM
 Annelie Esian YONG
 Anson Chin Wei YONG
 Bryce Chuak Tyng CHUNG
 Chang Yi LIM
 Chia Xin LIEW
 Crissy Yong Xuan CHAI
 Daphne Tian Xin BONG
 Doris Min Shan HIU
 Euna Jia Rong LIM
 Evan Zhi Xian FOO
 Faye Xin Fei LEE

Hao En SOON
 Hao Lin CHOO
 Hao Wu FOO
 Isaac Li Ngn LAU
 Jaslyn Chee Chee WONG
 Jia Kuang LIM
 Jin Rui LAW
 Joan Wan Yu LEE
 Jowyene Hung Yen WONG
 Lawrence Chieng Chun NGU
 Lee Lee KONG
 Louis Fuh Yi TING
 Mandy How Xi YONG
 Mandy Shu Ting NG
 Mindy Min Yii GOH
 Natalie Hui Yee ONG
 Nian Ong PAU
 Noah Mesfin GEBRU
 Peggy Ee Shin TENG
 Sing Qi WONG
 Sophia Sue Fei JONG
 Wee Wee CHUA
 Wei Zhang YUN
 Xiao Wei THIAN
 Yeong Cheng TAY
 Zhe Eng LING
 Zhien Wun KOH
 Zi Juan LIEW

Bachelor of Business (Finance)

Angel Hui Lee CHUA
 Awang Yusri BIN AWANG KASUMAR
 Cassandra Sing Yiing LIEW
 Dania Alyssa BINTI MANSUR
 Darren Lawai Neng Sze CHOO
 Elyssandria Qistina BINTI MOHD FAISAL
 Faiaz HOSSAIN
 Fang Xin LIEW
 Jia Yee YONG
 Joshua Alwin Qirui VOON
 Jun Yuan TANG
 Kai Yuan KIW
 Kok Hau LEE
 Li Min PANG
 Mohammed Rahil MOHAMMED SHEMAL
 Theresia Yi Xun LIM

Bachelor of Business (Human Resource Management)

Ahmed Nizam UDDIN
 Anson CHIA
 Bhavinjit Kaur AKHARA
 Carmen Jia Wen KONG
 David Adrian LEE
 Roysten Xavier SIMOES
 Suzane ANAK JOSTIN

Bachelor of Business (International Business)

Abigail Bungai ANAK JAWA
 Allycia Vunga ANAK PANDANG
 Andriana Rimba JAMIESON
 Attreyi HOQUE
 Bing Shin TAN
 Donald Jared ANAK JOSEPH
 Elaine Sin Yien LIEW
 Esther Shin Yi YII
 Gong Chin LING
 Hau Ken CHUNG
 Janice Lateesha SOO
 Jasmine Jia Xin WONG
 Joseph Jin Sing JIN
 Kelly Yen Yung CHAI
 Kester Qing Wei SIM
 Kinda Kletus MUYUK
 Min Qi LEE
 Min Xuan Nathelie LIEW
 Muhammad Afiq Daniel BIN MOHAMAD RIZAL SHAM
Ruth Annabelle Kay Ling CHONG
 Shania Larry ANAK SAMMY
Waleed Tariq (M. W) HASIB

Bachelor of Business (Management and Digital Media)

Angela Cye YONG
 Azizi BIN ABDUL RAHMAN
 Christina Ai Juh BONG
 Esther Pei En LEE
 Jeremiah Sin Yao CHEN
 Maegan Yan Ru YONG
 Megan Ying Zhi CHUA
 Chau Ruei SIM
 Timothy Sze Jie HENG

This program contains the names of all graduates entitled to awards. For graduates who are unable to attend in person (names in *Italics*), the awards will be made in absentia.

Bachelor of Business (Management)

Adeline Huan Xin LEE
 Cai En SIA
 Darren Zin Ye LAI
 Darwin Kuan Wei TAN
 Jason Zing Xiang TOH
Malik Muhammad Atta KHAN
 Micheal Alan Padam ANAK FREDDY
 Michelle Xue Lee TAY
 Mohammad Rushan MOHAMMAD RIZVI
 Montgomery Salang UNTING
 Orientina Valencia Ajik ANAK ISIK
 Serene Xi Ning NG
Shih Han KHOR
 Wei Ching BOONG
 Yip Hau TANG
 Zechariah Philip THAN
 Zhen Chuan CHEE

Bachelor of Business (Marketing)

Celest Yin Xi PHOONG
 Dellvin Ari WIJAYA
 Esther Bao Yi WONG
 Karena Siaw Wi KHO
 Shi Shuang ENG
 Vanessa Sze Ying HO
 Vickie Sze Jie WONG

Graduate Certificate of Business Administration

[International]
 Jing Mei YONG

Graduate Diploma of Business Administration

[International]
 Alvin Hui Hiong TEO

Master of Business Administration

[International]
 Ai Hui SIM
 Ashley Annenicholla MAHLANGU
 Bryan Rundi ANAK SAMPSON SAMBONG
 Diana Ho AK MALING
 Dilys Shu Rou TING
 Kevin Liang Ching WUI
 Mary Sher Ren LAU
Sharoen Yu Ming LIM

Bachelor of Design

Dayangku Hidayatul Hasikin Aliwiyyin
 BINTI AWGKU MOHD. SALLEH
 Immanuel ANAK MARTIN
 Jing Wen NG
 Magdalene Yung Ching CHIA

Bachelor of Design (Multimedia Design)

Adam Khai Shen YEO
 Azzmirrul BIN ZAINAL
 Brandy Lee Tong LAU
 Cheryl Xin Le KAU
 Christopher Yu Hong CHAN
 Connie Yin Hui CHIN
 Ewan Min Wen GOH
Habiba MOHAMED SAAD SOLIMAN
 Hui Wen CHEOK
 Joo En KOK
 Rachel Stephenie Xuen Ling TAN
 Rachel Yi Xuan TAN

Bachelor of Media and Communication

Augustine ANAK PHILIP
 Farhana Alya JUNAIDI
 Loren Chin Yoong LAW
 Syed Syaquille Rafique BIN SYED HABIB
 ABDULLAH SHUKERAN

Master of Arts (TESOL)

Harun BIN JOHARI
 Siyuan HU

This program contains the names of all graduates entitled to awards. For graduates who are unable to attend in person (names in *Italics*), the awards will be made in absentia.

**Faculty of Engineering,
Computing and Science**

**Bachelor of Engineering (Honours)
(Chemical)**

with credit

Joleen Pei Pei TING
Nguong You WONG
Zi Xing LIAW

with distinction

Audrey Stefanie ANAK JULIP
Debra Jia Jun UNG
Yuen Xiu LYE

**Bachelor of Engineering (Honours)
(Civil)**

with credit

Alvin Chun San TAN
Bassam Sherif Gamal MOHAMED
MOUSSA
Benadhi Bawanya GAMAGE
Chie Yu TING
Dixon Yu Cheng CHUA
Jonathan Seng Kiat CH'NG
Kevin Xu Xian YII
Mohd Iqram MOHAMAD
Priscilla PETER
Udeshi Indusarani Danthasinghe
HALPITA ACHARIGE
Zheng Yuan JONG

with distinction

Ji Yan HIEW
Mohammed MOHIUDDIN
Sajith Dananjaya Gomes
MUHANDIRAMGE

**Bachelor of Engineering (Honours)
(Electrical and Electronic)**

Isabelle Sonia ANAK DABRIN

with credit

Johannes ANAK LAURENCE
Jun Zhe CHAI
Kenneth Chin Ern LIAU
Mohammed Ali Hussein AL-BAR

with distinction

Cooper Wan Yu CHONG
Kelly Li Zhen JEE

with high distinction

Ke Wei JEE
Perry Tchie Hunn YANG
Sherlyn Cheryl May Xin WEE

**Bachelor of Engineering (Honours)
(Mechanical)**

Niloukshan SHATHEESH

with credit

Aiman Akmal BIN HASBULLAH KHAN
Amirul BIN SUPIAN TARMIZI
Amraphel ANAK WILSON
Chien Yang LIM
Christ Kim Leung LEE
Isura Umayanga HEWA KOMANGODAGE
Kesigan NALLAIAH SRITHARAN
Lorena Azelle ANAK LAWRENCE
M D Mudiyansele Malika Thejan
Bandara YATAWARA
Rowenna Romena ANAK RAMBA
Willy Kang Sheng LIM

with distinction

Cyrus Siaw Chuan YONG
Omar Yasser Mohamed Hossameldin
ELHAWARY
Shalintha Yohan OPATHA

with high distinction

Ryan Tze Cherng LIAW

**Bachelor of Engineering (Honours)
(Robotics and Mechatronics)**

with credit

Dehiweloge Pubudu Dilshan Shihara
PERERA
Khye Yang WONG
Mohammad Haziq KHAN
Neeraj DEENOO
Reginald Lip Chiaw LIM

with distinction

Cornelius Yii Ke WONG

with high distinction

Xijie SZE

Bachelor of Science (Biotechnology)

Hao Liang SOON
Jia Wei SOON
Jotham Wen Zhan LEE

**Bachelor of Science (Environmental
Science)**

Adeline Qian Yi YONG
Malvin Cai Rong CHAN

Master of Construction Management

Wilson Wee Siang YEO

**Master of Construction Management
Practice**

Chun Yung CHIN
Ling Lee KUEH
Pei Shi CHANG

This program contains the names of all graduates entitled to awards. For graduates who are unable to attend in person (names in *Italics*), the awards will be made in absentia.

Bachelor of Computer Science

Aaron ANAK MAURICE
 Alice Shi Earn YUN
 Andy Kwang Zheng SOO
 Anson We Hong TANG
 Bryan Zhi Hong CHANG
 Chung Hing WONG
 Derrick Noble SELWYN
 Devin Peng CHEE
 Dowson Ming Hui KERK
 Ekyn NICHOLL
 Emily Boon Xuan HONG
 Felicia Jia Yee YAP
 Fung Yii CHIA
 Jaden Wei Chiat CHOO
 Jason Guan Seng KHO
Jing Yu GAN
 Jordan Wun Pin SEOW
 Jun Xue CHEN
 Jun Yao CHEN
 Justin Shan Wei LIU
 Kelly Yik Joo PNG
 Kelvin Juin Ket HO
 Kha Hau CHONG
 Kyron Chen Hee LING
 Leonard Lerk LU
 Macarius STANISLAUS
 Marco Yung Han LEE
 Muhammad Syukri BIN ABDUL RAHMAN
 Roger Tiew Ong YII
 Sherena Pei Wen CHAN
 Shuk Chin BONG
Sivanathan PARAMESWARAN
 Syed Muhammad Yasir ZAIDI
 Voon Tao TAN
 Winston ANGGINATA
 Xue Hui NG
 Ye Ding NG
 Yi Tong TAN
 Yun Kie LIEW
 Zi Xiang CHOW

Bachelor of Information and Communication Technology

Alexson BIN YUSSIBNOSH
 Alvin Wei Hao SU
 Chu Jing NG
 David Yong En CHOO
 Diyana Maziyah ZAIEDI
 Ellis Sy Yow TING
 Erik Sher Chuen KIU
 Khalid Yaseen BAIG
 Nastassia Tsui Wen CHIENG
 Samantha En Xi CHIN
 Syn Khai ONG
 Wei Sian SIM

Graduate Diploma of Information Technology

Sheng Ee NGIENG

Master of Information Technology

Tahmeed RAHMAN
 Tracy Jeng Yee JONG

School of Research

Master of Arts [Research]

Karen Kei Lin YII

Master of Engineering [Research]

Jonathan Lin Yang CHENG
 Jung Lin WONG
 Rahma Mohamed MKWATA

Master of Information and Communication Technologies [Research]

Sarah Jane KHO

Master of Science [Research]

Kavinda Kashi Juliyen GUNASINGHE
 Luke Shakti WEISSMANN

Doctor of Philosophy

Badriya Abdullah Mohammed AMBU-SAIDI
 Clive CHIFAMBA
 Jenny Cheng Yi CHOO
 Louis Yeow Haur TENG
 Samuel Lik Ging LAW
 Sylvester Yew Wang CHAI
 Wan Kei THAM
Ye LI
 Zi Chao LIM
Zixuan CHENG

Swinburne Research

Swinburne has consistently pursued a policy of ensuring quality and critical mass by investing resources in areas of research concentration. Swinburne actively encourages and values its international and industry connections which enrich and enhance the research efforts and careers of our academic staff and students alike.

Graduates listed below have each made a valuable contribution to Swinburne and their respective fields of research.

Master of Arts (Research)

Karen Kei Lin YIL

Supervisor: Professor Ida Fatimawati Adi Badiozaman

Exploring the Relationship between Higher Education Students' Prior English Proficiency, Academic English Self-efficacy and Online Engagement

This study examined the relationship between Malaysian pre-university students' Prior English Proficiency, Academic English Self-efficacy and their Online Engagement using a mixed-method approach. Quantitative results showed a moderate positive correlation among all variables, but no mediating effects of Prior English Proficiency and Academic English Self-efficacy were found. In addition, qualitative findings indicated that students from different English proficiency levels had similar interaction experiences with peers, instructors and content with minor differences. Their results suggest that all students regardless of English proficiency, can benefit from high levels of interaction, providing valuable insights for students, higher education institutions, educators and course designers.

Master of Engineering (Research)

Jonathan Lin Yang CHENG

Supervisor: Ir. Professor Jaka Sunarso

Parametric study of lignin extraction from EFB using LTTM and combined kinetic studies of lignin in the presence of minerals

This research explores a sustainable method for extracting lignin, a key component of plant materials, using a new, environmentally friendly solvent mixture made from malic acid, sucrose, and water. The study shows that increasing temperature and extraction time, along with adjusting the ratio of plant material to solvent, greatly improves the efficiency and purity of lignin extraction. With up to 88% purity achieved, this approach not only maximizes the value of lignin but also supports greener practices in biomass processing. By advancing this technique, the study contributes to more efficient use of natural resources and reduction of waste.

Jung Lin WONG

Supervisor: Ir. Dr Chew Juian Jing

Evaluation of properties of lignin derived from local biomass using low temperature transition mixture and its extraction process

The current study applied sucrose/malic acid/water (SMAW) low transition temperature mixture (LTTM) for the pretreatment of oil palm empty fruit bunch, oil palm trunk, oil palm mesocarp fibre, oil palm kernel shell, rice husk, coconut husk, coconut shell, and cocoa kernel shell. The outcomes from this study represented the culmination of extensive experimentation and analysis and have the potential to offer valuable insights into lignin recovery and pretreatment methodologies for diverse lignocellulosic feedstocks. The implications of these findings can potentially be applied in the scale-up implementation of the SMAW LTTM for multi-feedstock biomass pretreatment.

Rahma Mohamed MKWATA

Supervisor: Ir. Dr. Elizabeth Chong Eu Mee

Evaluation of the causes of road crashes and users' perception based on road condition and predicted crashes in Kuching.

This thesis investigates the impact of road conditions on traffic safety in Kuching City. By analyzing pavement data and road users' perceptions, the study identifies critical factors influencing crash frequencies, including pavement distresses, geometric design, and roadside environmental conditions. The research highlights significant variations in crash rates based on road quality, with poor conditions accounting for the majority of incidents. This study fills a critical gap by linking technical road assessments with user experiences, providing valuable insights for developing effective road safety strategies and infrastructure improvements, ultimately contributing to safer roads, enhanced public safety, and improved overall road user satisfaction.

Master of Information and Communication Technologies (Research)

Sarah Jane KHO

Supervisor: Professor Patrick Then Hang Hui

Exploring Artificial Intelligence in COVID-19 Detection Through Cough Sound Analysis.

Previous studies feature cough sound recordings and AI for COVID-19 pre-screening. These studies often neglect cough segmentation and relies on single-source datasets. This study introduces a deep learning framework with cough segmentation methods using 15 MFCC coefficients and a Mini VGGNet model. Cross-dataset training and testing with Cambridge, Coswara, and NIH Malaysia datasets were also conducted. Findings highlight manual segmentation (0.4-second duration, 0.1-second overlap) as the optimal cough segmentation method. The best performing model was trained on 80% of merged dataset (triple sourced) and tested on 20% of the Cambridge set achieving 0.921 test-accuracy, 0.973 AUC, 0.910 precision, and 0.910 recall.

Master of Science (Research)

Kavinda Kashi Juiyan GUNASINGHE

Supervisor: Ts. Dr Irine Runnie Ginjom

Development of a Computational Drug Discovery Pipeline for RNA Inhibitors: A Case Study with Targeting microRNA-21

RNAs, particularly non-coding RNA types are known to be involved in several cancers hijacking several cellular pathways. Drug discovery efforts in finding therapies against these RNA types is cost-ineffective and time-consuming. As an alternative, this work, involved the development of a computational drug discovery pipeline for RNA drug discovery that is cost and time efficient. This pipeline can be applied by the drug discovery community to discover novel and effective RNA-based therapies for several cancers.

Luke Shakti WEISSMANN

Supervisor: Ts. Dr Irine Runnie Ginjom

Antibacterial and antibiofilm activities of Sarawak stingless bee honey against Pseudomonas aeruginosa.

Pseudomonas aeruginosa is a tough bacterium to treat because it's very resistant to antibiotics and forms protective layers called biofilms. One promising alternative to antibiotics is Sarawak stingless bee honey. This honey, like the well-known manuka honey, can kill bacteria and break down biofilms. In this study, 14 types of Sarawak stingless bee honey were tested and found to be effective at low concentrations. They prevented 80% of biofilm formation and broke down existing biofilms by 41%. This study improved knowledge on Sarawak stingless bee honey and its use as a natural treatment against *P. aeruginosa*.

Doctor of Philosophy

Badriya Abdullah Mohammed AMBU-SAIDI

Supervisor: Associate Professor Dr. Fung Chong Yuan

Towards Sustainability of Training Transfer: Examining the Impact of an Introductory Training Program on Teachers' Teaching Practices in the Educational Omani Context

This study examines the key factors influencing the transfer of training (TOT) in the New Omani Teachers' Program (NOT) and how these factors impact training transfer post-completion. It also explores ways to improve TOT, addressing the lack of a systematic evaluation process in Oman. Using a sequential explanatory mixed methods design, the research employed the Learning Transfer System Inventory (LTSI) survey and in-depth interviews with 192 participants from the NOT program. The findings highlight the 'work environment' as the dominant factor, recommending the integration of Support, Adequacy, Feedback and Engagement (SAFE) conditions to enhance TOT.

Cive CHIFAMBA

Supervisor: Professor Lim Weng Marc

Understanding Customer Engagement in Participant Sports

The study investigated customer engagement in participant sports, defining the investments made by sports participants in their chosen sport as customer engagement. Marathons served as the choice of sport, prompted by increased competition and declining participation rates in such sports. Furthermore, the global physical inactivity pandemic added importance to the need for increasing physical activity. Five antecedents to customer engagement emerged: socialization, competition, mental well-being, health and fitness, and weight. Notably, marathon participants displayed emotional and behavioral engagement exclusively. The resultant impacts of customer engagement in participant sports encompassed word-of-mouth promotion and the expressed intention to participate again.

Jenny Cheng Yi CHOO

Supervisor: Professor Dr. Moritz Müller

Digital earth observation-based solution to improve monitoring and management actions for coastal water quality

To address the aims of improving the coastal water monitoring strategies in Sarawak, Malaysian Borneo, this thesis successfully demonstrated the application of digital earth-observation based approaches, which enables rapid detection of water quality changes over space and time. This outcome was made possible with the development of regional remote sensing model and applied onto time-series ocean colour satellite imageries for analysis. Ultimately, this thesis highlighted the impact and value of digital-based methods, in support of the Sustainable Development Goal 14 - Life Below Water, to provide rapid and informed-based decisions for the better management of the coastal ecosystem.

Louis Yeow Haur TENG

Supervisor: Ir. Assoc. Prof. Ts. Kuok King Kuok (Kelvin)

Future Weir Water Level Forecasting using Novel Neural Network Considering Climate Change Impacts

This research developed two novel neural network models, Salp Swarm Optimisation Neural Network (SSONN) and Whale Optimisation Neural Network (WONN), to predict daily water level at Batu Kitang Submersible Weir accurately. Using data from 2001 to 2021, these novel models significantly outperformed conventional neural network models in short-term forecasting. The study also extended to predict long-term water level up to 2100, emphasizing the need for improved water management strategies to address potential flooding risks due to climate change. This work enhanced water resource planning and flood mitigation, offering robust tools for future environmental management.

Samuel Lik Ging LAW

Supervisor: Ir. Assoc. Prof. Ts. Kuok King Kuok (Kelvin)

Development of Equatorial Soil Loss Equation Under Simulated Rainfall Conditions

This research aimed to understand and predict soil erosion in equatorial regions caused by heavy rainfall. By studying rainfall patterns and soil properties, researchers developed a new method to estimate soil loss. Key components of this method include the Equatorial Rainfall Erosivity Factor, Equatorial Slope Length Factor, and the resulting Equatorial Soil Loss Equation. This research provides valuable insights for environmental protection, land management, and conservation efforts in regions prone to heavy rainfall.

Slyvester Yew Wang CHAI

Supervisor: Ir. Dr. Ngu Lock Hei

Sequestration of Cement Industry CO₂ Emission in Cement Kiln Dust to Produce Building Material

The cement industry plays a vital role in global development, yet it is known to generate tremendous waste, notably CO₂ and cement kiln dust (CKD). This research introduced an innovative CO₂ capture process, the potable water-operated Accelerated Weathering of Limestone process, to convert CO₂ into a Ca(HCO₃)₂ solution. Following this, a novel CO₂ utilization process was developed to transform CKD and sand, using the Ca(HCO₃)₂ solution, into sustainable green building materials. The research effectively converts waste into valuable products, offering dual benefits: potential profitability and reduced environmental impact for the cement industry, which propels the world into a greener future.

Wan Kei THAM

Supervisor: Professor Lim Weng Marc

Sharing Economy - Enablers and Barriers for Consumption and Production of Ridesharing in Malaysia

This thesis explores the factors that encourage or hinder participation in the ridesharing economy in Malaysia. Using a combination of qualitative interviews and quantitative surveys, the study examines the motivations and challenges faced by both consumers and producers. The research provides valuable insights for policymakers and platform providers, offering recommendations to enhance user experiences and promote sustainable growth in the ridesharing sector. Through this comprehensive analysis, this study contributes to a deeper understanding of the dynamics within Malaysia's ridesharing economy.

Ye LI

Supervisor: Dr Voon Mung Ling

Cultural Interpellation & Contextualization: Chinese Mum Fans' Identity Construction - A Case Study on a Weibo Mum Fan Community

This study delves into the unique Chinese fan culture phenomenon: mum fans. These fans adopt a "mother" identity for their idols, engaging in data-driven "parenting" on social platforms. While roughly 50% of Chinese fans identify as "mum fans," intriguingly, over 80% explicitly express disinterest in real-life parenthood. The thesis dissects the cultural roots of "mum fan" identity and data practices, considering traditional Chinese values, the modern women's liberation movement, shifts in China's fertility policy, socialist ideals, and the data-centric evolution of the idol industry. Employing quantitative methods, it constructs a micro-model linking social media use, fan and idol engagement, and the intricate web of mum fan identity formation.

Zi Chao LIM

Supervisor: Professor John L. Wilson

Lateral Failure Mechanism of Volumetric Buildings

This thesis examines the failure mechanism of the volumetric buildings under lateral actions. Four systematic steps were undertaken, including (i) characterisation of volumetric buildings design, (ii) development of validated nonlinear numerical model, (iii) dynamic properties generalisation and (iv) investigation of failure mechanism of volumetric building under an incremental lateral action. This study yielded some significant outputs. For instance, useful preliminary design tool and mechanical model were developed to facilitate the existing engineering workflow, while the generalised dynamic response and structural weakness for volumetric buildings were also revealed to ensure a more robust and safer structural design for humanity.

Zixuan CHENG

Supervisor: Associate Prof. Ts. Dr. Hwang Siaw San

Discovery of Inhibitors Targeting p38 γ and PLK1 Using Combined Virtual Screening, Molecular Dynamics Simulations and Biological Evaluation

This thesis described the discovering processes of potential inhibitors targeting p38 γ or/and PLK1 by *in silico* discoveries and *in vitro* evaluations. This study was the first large scale *in silico* screening for p38 γ inhibitors and the first attempt for computing discovery of specific PLK1 inhibitors. The study also first proposed the idea of dual PLK1 and p38 γ inhibitors and highlighted its possibility of synergistic anticancer effects. The study addresses an unmet clinical need on the discovery of novel inhibitors for aggressive cancers and provides an innovative *in silico* pipeline for dual inhibitor discovery.

Autograph



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Malaysian National Anthem

Negaraku
Tanah tumpahnya darahku
Rakyat hidup, bersatu dan maju
Rahmat bahagia, Tuhan kurniakan
Raja kita, selamat bertakhta
Rahmat bahagia, Tuhan kurniakan
Raja kita, selamat bertakhta

Australian National Anthem

Australians all let us rejoice
For we are one and free
We've golden soil and wealth for toil
Our home is girt by sea
Our land abounds in nature's gifts
Of beauty rich and rare
In history's page, let every stage
Advance Australia fair
In joyful strains then let us sing
Advance Australia fair

Sarawak State Anthem

Sarawak Tanah Air Ku
Negeriku Tanah Air Ku Sarawak
Engkaulah Tanah Pusaka Ku
Tanah Tumpah Darah Ku
Ibu Pertiwi Ku
Rakyat Hidup Mesra dan Bahagia
Damai Muhibah Sentiasa
Bersatu Berusaha Berbakti
Untuk Sarawak Ku Cintai
Sarawak Dalam Malaysia
Aman Makmur Rahmat Tuhan
Maha Esa
Kekallah Sarawak Bertuah
Teras Perjuangan Rakyat
Berjaya Berdaulat

Vice-Chancellor's Charge to Graduates

In conferral of your award I ask you as graduates of Swinburne University of Technology to strive to:

- Be champions of innovation, entrepreneurialism agility and high performance
- Seek positive and creative ways to engage with and serve your communities;
- Remain curious and open to new learning and new experiences;
- Use your knowledge, talents, skills and passion to encourage a better future for the global community.



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