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PACE



THE 2020 PROFESSOR JUDYTH SACHS

PACE PRIZES

Collaboration, connectedness and community



MACQUARIE
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THE **2020** PROFESSOR JUDYTH SACHS PACE PRIZES

The PACE program gives all Macquarie undergraduates the chance to engage in hands-on learning with an industry, government or not-for-profit organisation as part of their course. In 2020, more than 6000 students completed a COVID-safe PACE activity, engaging with more than 760 partners across more than 1200 activities. We congratulate these students on their outstanding contributions to PACE and thank the PACE partners and staff for their support during 2020.



‘Our multi-award-winning PACE (Professional and Community Engagement) program has raised Macquarie’s profile as a global leader in the provision of real-world experiences. That’s thanks in no small part to the amazing contributions our students make to PACE partners in industry and the community.’

Professor Marie Herberstein

(Interim) Deputy Vice-Chancellor (Academic)
Macquarie University



‘PACE gives Macquarie students an opportunity to go beyond the classroom to apply their academic learning in practice. The year 2020 was challenging for everyone and PACE was no different. I congratulate the students, staff and partners involved with PACE who ensured this collaborative learning activity continued virtually or remotely last year. PACE enables the professional and personal transformation of our students to prepare them for their future careers.’

Professor Dominique Parrish

Pro Vice-Chancellor (Learning and Teaching),
Macquarie University

Prize Winners, Highly Commended and Leadership Awards

1 WINNER – SHORT ACTIVITY

Rebecca Nisbet

AHIS3005 – Cultural Heritage and Public History

Hunters Hill Historical Society

Title: *Indigenous Connections: Past and Present Hunters Hill. A Display for the Hunters Hill Historical Society Museum.*

This PACE project focussed on the research, design and execution of an Indigenous display and educational booklet for the Hunters Hill Historical Society Museum. Rebecca collaborated with Indigenous authorities to tell the story of the Wallumedegal clan of Hunters Hill. This display is significant in that it represents a part of the Hunters Hill heritage and expands upon the museum's focus beyond local colonial and modern history. It was opened officially in December 2020.

2 JOINT WINNER – LONG ACTIVITY

Sana Ahmad, Cara Marie Boljevac, Liam Holt, Jonty Boshier, Dylan Sullivan

ARTS3100 – Governance and Resistance

International Campaign to Abolish Nuclear Weapons (ICAN)

Title: *Policy Research and Report Writing regarding Superannuation Investment into Nuclear Weapons*

These PACE students investigated the nuclear divestment policies of 25 Australian superannuation funds and finalised a report for the International Campaign to Abolish Nuclear Weapons (ICAN). The report highlighted which funds have a zero-tolerance policy for nuclear weapons investment. Impressive methodology was used in the report which provided recommendations to ICAN as a leveraging tool to influence reform on nuclear divestment policies of Australian superannuation funds.

3 JOINT WINNER – LONG ACTIVITY

Cooper Michael Anderson, Arad Behdarvand, Andrew Cameron, Talia Jude Chalita, Celine Danielle Dimaano, Hayden Anthony Fergusson, Cameron Lawrence, Matthew Le Guay, Danielle Le Large, Wyatt John Mola, Megan Oceane Julie Megevand

PICT3020 – Ethical Practice in Security Studies

Cyber Intelligence Lab (CiLab)

Title: *Intelligence Assessment: Cyber Threat Actors Assessment for Macquarie University*

This group of PACE students were tasked with investigating and identifying cyber threats to Macquarie University's data and intellectual property. The final research report contributed to the Cyber Intelligence Lab (CiLab) white paper: 'Australian universities under attack'. This publication has benefitted the community by contributing to the wider body of research on cyber attacks experienced by the Australian education sector.

LEADERSHIP AWARD

Danielle Le Large

Danielle displayed great leadership qualities throughout the project with this team. She was assertive, yet valued inclusivity, harmony and balance within the team. She provided the team with a clear vision and respected the values and opinions of all team members, thus ensuring success for this project.

4. JOINT WINNER – LONG ACTIVITY

Christina Athanasopoulos, Carla Ayoub, Adrian Brett, Isabella Kate Edwards, Melvin Hariman, Jaclyn Ling, Isabella Maurici, Anna O'Donnell, Lucy Sheppard, Catherine Haeyun Yoo

LAWS5078 – Macquarie University Social Justice Clinic

National Justice Project

Title: *TECH4JUSTICE*

This team of PACE students collaborated to create online chatbots to assist end users with specific complaints. Their project significantly assisted with automating complaints processes, which assisted end users at a high level without compromising the quality of the complaint itself. The TECH4JUSTICE clinic maintains a passionate vision to increase access to justice through technology, education, and collaboration. This group of students demonstrated collaboration, leadership and initiative to make this project a success.

5. HIGHLY COMMENDED – SHORT ACTIVITY (JOINT)**Trent Hugler**

FOAR7004 – Arts Internship for Researchers

Department of Ancient History, Macquarie University

Title: *Publishing the Past: A New Kingdom Cemetery at Saqqara*

This research project, entitled ‘Publishing the Past: A New Kingdom Cemetery at Saqqara’, gave Trent a unique opportunity to enhance his Egyptological and archaeological knowledge and skills, all while obtaining crucial professional academic experience. This project involved the digitisation of legacy excavation material and the transcription, transliteration, and translation of hieroglyphic texts from the burial assemblage, a previously unattempted endeavour. The main outcome of this project was a draft manuscript for a publication of ‘minor’ burials from the Teti Cemetery at Northwest Saqqara, excavated by Macquarie University in 1996.

6. HIGHLY COMMENDED – SHORT ACTIVITY (JOINT)**Heather Pym**

INTS3050 – International Studies Internship

Mahboba’s Promise Incorporated

Title: *Sponsorship and Legal Assistance for non-profit assisting women and children in Afghanistan*

Heather’s project with Mahboba’s Promise involved interpreting and distributing information coming from partners in Afghanistan (regarding orphaned children and widows in need of humanitarian aid) to stakeholders in Australia with an interest in these sponsored individuals. Heather exhibited: a high level of initiative, passion and dedication; a great deal of expertise in law; and excellent research and communication skills. She was instrumental in improving the communication lines with the team implementing the humanitarian aid in Afghanistan and promoting an awareness of the cultural, political and social contexts of the Middle East.

7 HIGHLY COMMENDED – LONG ACTIVITY (JOINT)

Andrew James Hills, McKenzie Elizabeth Kirby-Brown, Madison Erin Kenley Lane, Tayla Law, Lara Natalia Ligoff, Peter Livingstone, Daniel John Long, Alicia Maccarrone, Kirsty Anne Mackinnon, Brandon James McIntyre

PICT3020 – Ethical Practice in Security Studies

Naval Postgraduate School (NPS)

Title: *Intelligence Assessment Product on ‘The Future of commercial shipping post de-globalization and COVID-19’*

This team of PACE students completed an in-depth analysis of ‘the future of commercial shipping post de-globalisation and Covid-19’ for the United States Navy Postgraduate School (NPS). The project team worked remotely to connect, communicate and collaborate to complete this research analysis. The research provided an overview of the commercial shipping in the South China Sea (SCS), insecurity with the SCS, cost-cutting measures undertaken by shipping companies and environmental impacts. Findings and recommendations were presented to NPS and were also passed onto staff members in the Pentagon and the US State Department.

LEADERSHIP AWARD

Brandon James McIntyre

Brandon has been recognised for his high-quality leadership skills demonstrated through the project with team members commenting on his encouraging and supportive attitude. He engaged all team members in a collaborative and positive way to achieve excellent outcomes for the project.

8 HIGHLY COMMENDED – LONG ACTIVITY

Jennifer Anne Hockey

SSCI3090 – Professional Social Research Project

School of Social Sciences, Macquarie University

Title: *‘Climate AF’ where AF is an acronym for Action Future referring to youth affirmative action for climate futures*

This PACE project focused on an analysis of youth affirmative action for climate futures. It created an opportunity for engagement in real-world social research and development of qualitative and quantitative research skills and knowledge. Jennifer completed an excellent research proposal and literature review which will be part of future research endeavours.

1 WINNER – SHORT ACTIVITY

Nadia Almoussawi

MQBS3000 – Student Leadership in Community Engagement

Naturely Shop

Title: *Business Development Internship*

This PACE activity was focused on developing and implementing solutions to optimise the strategic growth of the organisation. Nadia contributed by completing several tasks including finalising procedures and FAQs, creating a content calendar and planning email and social media marketing campaigns for the upcoming year. The development of these activities enhanced the long-term business growth of Naturely and helped to ensure a multitude of successful outcomes.

2 WINNER – LONG ACTIVITY

Linda Rivera-Lievanos

PACE2001 – Professional Practice Placement 1

The Australian Numeracy and Literacy Foundation

Title: *Aurora Project – intern consultant*

This internship with the Australian Numeracy and Literacy Foundation working on the Aurora project gave Linda the opportunity to collaborate, communicate and connect with this organisation's Indigenous partners. The 'Living First Languages' project focuses on giving communities access to effective learning techniques and resources that help them to preserve first languages to revitalise and maintain culture and heritage. Linda passionately supported the curation, examination, and presentation of the digital languages resources for multiple Indigenous language communities.

3 HIGHLY COMMENDED – LONG ACTIVITY

Liam Gilroy, Benjamin Johnson, Connor Sheppeard, Farida Syed

MGMT3901 – Applied Leadership project

Populis

Title: *Leadership Diagnostics Tool*

This PACE project team researched the effectiveness of the Leadership Diagnostics Tool used at Populis. They researched and evaluated the organisation's key leadership principles by undertaking a literature review and interviewing reputable business leaders across many sectors. This culminated in a presentation and detailed report that included recommendations to Populis.

1 WINNER – SHORT ACTIVITY

Marissa Artemis Petrakis

MEDI3401 – Professional Learning in the Clinical Sciences

Early Career Researcher Network (EnCouRage)

Title: *EnCouRage Social Media Communications*

This PACE project activity involved collaborating with the Macquarie University Early Career Research (EnCouRage) network to evaluate scholarly material and develop a range of infographics. The infographics needed to include key data, statistics and results that would be used on online platforms to strengthen the credibility of online scientific academia. The EnCouRage network coordinates and host programs and initiatives to support early career researchers at Macquarie University.

2 WINNER – LONG ACTIVITY

Mark Arblaster, Prishika Arora, Leah Dawson, Erin Michelle Dunreath-Cooper, Jawad Essaghir, Alyssa Mifsud, Layla St Clair, William James Nigel Stewart

PSYU3399 – Psychological Science: Putting Theory into Practice

Independent Living Support Association

Title: *Staff Wellbeing Strategy*

The PACE group displayed cohesion, clear communication, and strong cooperation to conduct research into current wellbeing programs and social issues that could be implemented to improve staff wellbeing in the organisation. They developed a strategy report including well-researched recommendations about ‘the three pillars’ of wellbeing. The strategies aim to promote physical wellbeing, enhance mental health wellbeing, and improve awareness of available services and healthy behaviours.

LEADERSHIP AWARD

Alyssa Mifsud

Alyssa has been recognised for her excellent leadership qualities through her ability to motivate and inspire the group to achieve a mutual goal. Team members commended Alyssa on her qualities of empathy, clarity, gratitude and respect.

3 HIGHLY COMMENDED – LONG ACTIVITY

Olivia Maurice

PSYU3399 – Psychological Science: Putting Theory into Practice

Macquarie University, Centre for Emotional Health

Title: *Risks to Adolescent Wellbeing (RAW) Project*

This highly commended project involved data management and coding for the organisation. The RAW Project is a longitudinal study of the influences on adolescent social and emotional development; for example, risk factors for adolescent depression and suicidal ideation. Olivia reviewed diagnostic interviews and provided information that could allow clinicians to confirm diagnosis and inform treatment and intervention. The outcomes from the project benefit the host organisation by supplying accurate data, allowing clinicians and supervisors to efficiently analyse the data.

1 WINNER – SHORT ACTIVITY

Kayla Louise Martin

ASTR381O – Frontiers of Astronomy and Astrophysics

Macquarie University

Title: *Analysing the Photometry of Planetary Nebulae Central Stars to Quantify Binarity*

This PACE project involved the analysis of the photometry of planetary nebulae central stars to quantify binarity. Kayla's research data has provided a significant contribution, both qualitative and quantitative, which can be used by the host organisation. The findings of this research will contribute to a future publication and will encourage subsequent investigations to improving our understanding of largely uncertain astrophysical phenomenon.

2 WINNER – LONG ACTIVITY

Ali Hassan Fawaz, Luke Naylor

PHYS381O – Professional Physics

Raytheon Australia

Title: *Designing a Terrain Masking Algorithm for UAV Route Planning*

This PACE project was intellectually challenging in terms of mathematics, physics and computer coding for Ali and Luke, who worked collaboratively to research and create a software application that could contribute to future search and rescue operations. The host organisation was highly impressed with the outcomes of this project.

3 HIGHLY COMMENDED – SHORT ACTIVITY

Georgia Kate McManus

BIOL364O – PACE Experience in Biological Sciences

Foundations for National Parks and Wildlife (FNPW)

Title: *The Backyard Buddies Website*

The Foundations for National Parks and Wildlife is a not-for-profit organisation dedicated to the safeguarding of wilderness and wildlife. Georgia was tasked with a project to review and update the Backyard Buddies website. She used effective scientific communication skills to create clear and concise information for the website which would ultimately increase awareness to protect threatened species and encourage environmental wellbeing. The host organisation was highly impressed with the updated website and Georgia's commitment during the project.



‘It’s become quite a cliché to say that 2020 was a year like no other. It was a year that fundamentally changed and re-shaped the way we live and work. Despite the challenges, the PACE program was as successful as ever and this is of course due to the passion and commitment of our students, our partners and Macquarie University staff. Recognising achievements as well as resilience and adaptability seems even more important now. It’s with great pride that Macquarie University celebrates another year of positive impact through the PACE program.’

Kylie Ebert

Director, Employability and Graduate Success



‘I am very proud to personally support the PACE program through the awarding of the annual Professor Judyth Sachs PACE Prizes and I warmly congratulate all of the 2020 recipients.’

Judyth Sachs

Emeritus Professor



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