CECS Advisory Board - Agenda

Date:       Tuesday 14 August 2018
Time:       12pm - 1pm
Location:   N224, level 2 CSIT Building 108
Objectives: Discuss Diversity and Inclusion, Q&A with Executive staff

1. Start with Lunch

2. Welcome - Fiona Beck (Chair), Early Career Academic Representative

3. Briefing from the Dean – Elanor Huntington (5 mins)

4. Cyber Institute - Dr Lesley Seebeck, CEO (5 mins)

5. Diversity & Inclusion – Steve Blackburn, Associate Dean Diversity & Inclusion (25 mins)

6. Q&A on reports with Associate Deans & General Manager (15 mins)
   - AD-HDR        Dan MacDonald
   - AD-IT and D&I  Steve Blackburn
   - AD-Research   Thushara Abhayapala
   - AD-Education  Adrian Lowe
   - General Manager Judith Davoren

7. Other Matters

8. Next meeting - TBA 2019
Associate Dean (HDR) – report to the CECS Advisory Board, August 2018

• Scholarship rounds

The first of two CECS domestic and international PhD scholarship rounds for the year were held in March and April respectively. Two domestic scholarships (out of 5 applicants) and 8 international scholarships (out of 67) were awarded. Several Data 61 scholarships were also awarded, and approximately 10 fee waivers for international applicants with a stipend funded by their supervisor. In this first round, only CECS and Data 61-funded scholarships were available. A second, larger round of international and domestic scholarships, including CECS, Data 61, and centrally-funded RTP scholarships, will occur in August (international) and October (domestic). We expect approximately 30 scholarships to be available in these rounds. During August we will commence a review of the CECS scholarship allocations process.

• Skills workshops for HDR students

The ANU Academic Skills and Learning Centre (ASLC) have developed a suite of workshops designed especially for CECS HDR students, covering topics such as manuscript writing, thesis writing, and project management skills. There are 5 workshops that run every year, targeted at students at different stages of their HDR program. These workshops are advertised to HDR students regularly. Supervisors should strongly encourage their students to attend, especially those students that are having difficulties with academic writing.

• HDR induction events

Both local (CECS) and central ANU HDR induction events are held several times per year. Commencing students are notified of these events, and they should attend both types of induction, as they cover different aspects of the PhD candidature. Attending the induction events is essential for understanding the many types of support and services available to HDR students.
Associate Dean (IT) – report CECS Advisory Board, August 2018

- **OneANU IT**
  January 2018 saw the College enter a six-month transition into the One ANU IT change. This period expired at the end of June. However, there were numerous outstanding issues, most fundamentally surrounding lack of clarity about precisely where responsibility resided for many issues. The College is working closely with ITS to resolve these issues. In the interim ITS has committed to delivering continued service to the College.

- **Security**
  All students and staff should have been alerted to a serious security breach that occurred over the past twelve months and was made public in July. I strongly encourage all members of the College to follow ITS advice carefully and to take this matter seriously.

- **Strategic Outlook**
  After circulating drafts of a revised statement of Strategic Intent for IT to both Schools, and incorporating feedback, the statement was approved by the June College Executive.

  Please feel free to contact me if you have any questions about CECS IT.

  Steve Blackburn

Associate Dean (Diversity and Inclusion) – report CECS Advisory Board, August 2018

- **Background**
  In July I took on the new role of Associate Dean, Diversity & Inclusion. This is an exciting and challenging role. We’re in a field that faces serious challenges on multiple fronts regarding diversity and inclusion. In my role, I’m chairing the College’s Diversity and Inclusion committee, who will together be crafting the College’s response to these challenges.

  In my first few weeks in the role, I’ve meet with the Committee, I’ve attended the CRA Snowbird Conference in Utah, which was stimulating and challenging, and I’ve met with people at UNSW who are working on diversity and inclusion in their Faculty of Engineering.

- **Strategic Outlook**
  The College Diversity and Inclusion committee is working with me to formulate a draft statement of strategic intent, which will later be circulated to the Schools for feedback. If you have matters that you think should be strategic priorities for the committee, please contact me and I’ll ensure that they are considered during the drafting process.

  Please feel free to contact me if you have any questions about CECS Diversity and Inclusion.

  Steve Blackburn
Associate Dean (Research) – report to CECS Advisory Board, August 2018

1. **ARC Engagement and Impact Assessment 2018**: ANU has submitted 22 engagement statements and 23 impact statements for the 2018 Engagement and Impact assessment (EIA) exercise. This includes FoR codes 08, 09 and 10. Most of the engagement and impact under 08 and 09 are based on CECS activities. Special thanks to two Associate Directors of Research from RSEng and RSCS, Takuya and Dirk for their effort to preparing these submission. We used impact from the research done by Rob Mahony and Steve Blackburn for the Impact cases for 09 and FoR 08, respectively. This exercise highlight the need to choose research problems wisely to increase the likelihood of impact to the society. It also shows the need to gather secondary data systematically and store them locally using a robust mechanism.

2. **Grant Success (since May):**
   a. We have received 5 ACAP mini grants worth $262,000. – Duong, White, Wan, Hiller and Weber.
   b. 2 ARC Linkage Grants – valued at $720,000 – Coventry/Tricoli/Lipinski and Tricoli/Nisbet
   c. RSSS Cross College Grant – Suominen and Rizoiu
   d. FLI Grant – Hutter – success rate of 5% and awarded $276,000 USD
   e. ANU Translational Fellowship Award – Kee Siong Ng - $1,200,000
   f. ARC Future Fellowships – Tom White, Honjie An (external from Nanyang Technological University Singapore)

3. **Eureka Prizes Finalists:** A number of CECS academics are finalists of Eureka prizes:
   a. **E100 team** (Prof Andrew Blakers, Dr Matthew Stocks, Bin Lu - RSEng)- NSW Office of Environment and Heritage Eureka Prize for Environmental Research
   b. **Causality team** (incl. Prof Brian Anderson and Prof Brad Yu, RSEng) - Defence Science and Technology Eureka Prize for Outstanding Science in Safeguarding Australia

4. **ANU Grand Challenge 2018 – Stage 2 Short list:** A number of CECS academics are part of the executive leadership teams of 3 short listed projects. This reflects our connections to the rest of ANU.
   a. **Humanising Machine Intelligence** (Prof. Bob Williamson, and Prof. Sylvie Thiebaux)
   b. **Zero-Carbon Energy for the Asia-Pacific** (Prof. Kylie Catchpole)
   c. **High-tech Biodiversity Rescue** (Dr Prasanga Samarasinhe)

5. **CECS internal research, innovation and (research led) entrepreneurship funding schemes:** The college have the following schemes (see:
   a. CECS Industry Engagement advice and investment scheme ([https://cecs.anu.edu.au/staff/cecs-industry-engagement-advice-and-investment-scheme](https://cecs.anu.edu.au/staff/cecs-industry-engagement-advice-and-investment-scheme)) – So far following four academics were funded from this scheme - Dr Sergiy Bogomolov, Dr Nan Yang, Dr Chris Stokes-Griffin and Dr Silvano Sommacal.
   b. CECS Budding Entrepreneur Scheme ([https://cecs.anu.edu.au/staff/cecs-budding-entrepreneur-scheme](https://cecs.anu.edu.au/staff/cecs-budding-entrepreneur-scheme)). We have already funded a company founded by two PhD students (Pixelated Induction - [https://www.pixelatedinduction.com](https://www.pixelatedinduction.com)).
   c. CECS Visiting Academic stars scheme: The objective is to host distinguished scholars in their areas of our expertise for longer periods (typically 3-6 months)

CECS academics are encouraged to utilise these open schemes
Associate Dean (Education) – report to CECS Advisory Board, August 2018

- **ANU Teaching and Learning Vision**
  The proposal for a ‘hubs and spokes’ educational support model that has been developed by the PVC(E) and the ADEs is now in the final stages of development and will soon go forward to the SMG for funding approval. This initiative was developed in conjunction with the Teaching and Learning Vision and would represent a significant improvement in how educational development, change and support is viewed across the ANU. The Teaching and Learning Vision itself is now in the final stages of finessing, on the basis of university-wide feedback processes.

- **Cultural audit and mentoring updates**
  A number of specific recommendations were forthcoming from the recent Cultural Audit and the following actions are in progress:

  - *Embedding of diversity awareness into first year teaching* – The modules made available to first year convenors in semester 1 on this matter have now been handed over to the Associate Dean (D&I). It turns out they were quite difficult to access.
  - *Communication and information transfer improvements* – I have now started liaising with the Marketing team on the design and dissemination mechanisms for the information flyer on welfare, harassment and mental health and will be consulting ANUSA, PARSA and the Dean of Students on the final look. The recent words sent around by ANUSA to link to the first anniversary of the audit have now been sent through the schools to convenors who are expected to communicate them to their students.
  - *Natasha Linard Scholarship Mentoring initiative* – In a recent meeting with Keith Linard and the current scholarship holders, we resolved to hold a mentoring event to link potential mentors with female new starters (CECS students – semester 2). Administrative support is currently being sought for this. The event is tentatively scheduled for week 7 (mid/late September). The outgoing CECS Alumni officer (Rachel Hunter) will continue to assist with this. There is a companion initiative in the works (championed by Matt Doolan) in relation to mentoring of senior students in their transition to the workplace, which will be further progressed once admin support is forthcoming.

- **First year educators group**
  I will be convening a discussion group consisting of our first year convenors to specifically examine possible solutions to issues and complexities that have come to the fore during semester 1. In particular, I want to explore opportunities around the creation of on-line content modules that students can access as refresheres, or that serve as ‘pre-reading’ resources for later year courses. One example from engineering has been the need for some on-line content around the use of the C programming language. Students are exposed to the science of programming in earlier courses, but then require specific programs for later year courses. We need to address this. In addition, I will be seeking feedback on the need for a formal ‘first year coordinator’.

- **Quality reviews**
  In the coming days, I am progressing a number of quality and procedure-based reviews. The first one relates to our tutor training programs, the second one relates to academic mentoring in the educational space and the third one will relate to the Techlauncher initiative. After initial consultations with key stakeholders, more detailed information on the review process will be released more widely.
General Manager – report to CECS Advisory Board, May 2018

Student Services

- Paul Melloy has returned to his role as Manager Student Services and Natalie Young has returned to her role as Deputy Manager and Student Experience.

- There are a number of business process reviews/working parties that the team is contributing to including:
  - Review of delivery of Student Administration at ANU with establishment of the new Kambri ‘hub’;
  - Continuation of review of processes to cater for the new ANU Admissions, Scholarships, Accommodation (ASA) Scheme which will completely change the process for admitting new students to ANU from 2020;
  - Contributing to communities of practice in both student mobility and internships which will hopefully lead to enhanced processes and systems to support these activities;
  - Participating in a pilot program to review program transfer processes.

- There is a major business process improvement activity underway for HDR Student Admissions which will see significant changes…along with the introduction of eforms to support admission processes.

- The ‘Redefining the ANU PhD program’ discussions continue.

- Additional HDR scholarship Rounds were run within CECS and the University has also decided to run multiple scholarship rounds.

- A large number of proposed changes to CECS programs and courses will be considered by the University in the coming weeks. This includes an overhaul of the Bachelor of Engineering and Bachelor of Engineering (R&D), introduction of new Masters degrees in Engineering, and new courses being offered by 3Ai.

- CECS programs and courses continue to be attractive with Student Load growing to over 2000 EFTSL.

Finance

- The Finance Team has been preparing for the College mid-year budget review and has successfully submitted the HERDC report on time with the College reported research income increased by 21% compared to last year submission.

- We again expected a substantial increase in student fee income, especially from RSCS. We worked with the Data61 scholarship team to review the research scholarships payment and successfully requested Data61 to pay over $1mil of scholarship funds for the financial year.

- The team has been assisting the College and School Executives in preparing for the 15 years budget plans and in coming months will concentrate on the 2019 operational budget to be finalised by 30 September.

- A College Finance forum for professional staff will be held at the end of the month (10.30am Tuesday 28 August).
RIO

- CECS RIO is at full strength with the addition in June of Tobie Garrick.
- In grant news CECS academics from Solar were awarded 5 Australian Centre for Advanced Photovoltaics (ACAP) mini grants valued at $226,000. RIO assisted with 2 successful LP17 awards with a combined value of $720,000 for Coventry/Tricoli/Lipinski and Tricoli/Nisbet.
- Close to 30 applications have been submitted since May for various schemes including ARENA, ATSE, Huawei, Future of Life Institute, Centre of Excellence EOI's, Fulbright and the ANU/Australian Signals Directorate joint research initiative.
- Outcomes for Future Fellowships have just been announced with CECS receiving 2 out of the 9 awarded to ANU. Congratulations to Tom White and Honjie An.

Student Recruitment/ Marketing/Alumni & Donor Relations

- The last couple of months have seen major increase in outreach activity with high profile events such as GET Set, Experience IT and Sydney Careers Expo introducing year 10-12 students from across Australia into the world of STEM.
- In the International space, CECS representatives travelled in May to Singapore, Malaysia, Sri Lanka, Taiwan, Hong Kong, China and Japan to convert students for the July 2018 intake.
- The Dean’s Colloquium “Liberating Technology” held on the 3rd May was also a notable success and was a sold-out event.
- July marked the mid-year graduation with over 200 attendees including students and their friends, family and academics. The graduation ceremony was followed by a reception hosted by the Dean which was very well received.
- Open Day 2018, on Saturday 25th August, is fast approaching and this year will be even bigger and better with more hands-on activities, faculty tours, talks and a new ‘VIP immersion’ experience. The CECS Open Day activities will be centred around the new building, Hanna Neumann.
- Final stages of the development of 3 new scholarships, total value of $135k over 3 years
- 2018 CECS Prizes and Scholarships ceremony to take place on 8 August
- New Grant $50k for Women in STEM Research Study
- 66 Alumni including donors attended the Dean’s Colloquium Liberating Technologies event on 3 May 2018.
**Business Development**

The Business Development team has successfully engaged our academics and external stakeholders, to secure an additional $528k of contract research and consultancy funding over the past three months (May to July), with an additional $240k in the pipeline to be signed off. This includes an extension on Engineering’s collaboration with SONY and a new Computer Science project with Airbus.

The Business Development team currently consists of a full-time person, with another full-time person seconded to set up the relationship between the ANU and ASD (the Australian Signals Directorate). Recruitment for additional Business Development Managers has resulted in two additional staff members to commence at the end of September.

External engagement has resulted in a significant increase from external companies and government agencies to partner with the College on research, educational and outreach opportunities. Short-term results have included contract research, consultancies, scholarships, internships, student projects and entry into postgraduate courses.