



**The DATTA Vic Hands On Conference
Thursday December 3rd 2015 at NCAT**

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Welcome from the President



It was fantastic to see so many of you at our recent AGM event at Swinburne University's [Advanced Manufacturing and Design Centre](#). It was a great night with the highlights being a tour of the Factory of the Future and a very insightful and informative presentation from the Dean of the School of Design, Professor Scott Thompson-Whiteside. The wine was nice too!



I'd like to share with you some of the information and statistics that we learned at the event. Design was defined as “A human-centered problem solving process” and that Designers “translate needs into tangible products, services, environments and experiences”. As our learning area can often suffer from some poor perception issues it is always useful to have definitions that capture the range and context of our activities.

In Victoria the design industry is very strong. More than 75,000 people are employed as designers here and Victoria is home to more than 4,000 design consultancies, most of which are energetic small businesses employing less than five people. Design consultancies contribute more than AU\$4.8 billion to Victoria's economy and the total employment associated with design in Victoria is estimated to be about 200,000.

To continue reading, click [HERE](#)

Peter Murphy, DATTA Vic President

News from the VCAA



The new Victorian Curriculum F-10 is here! The **Victorian Curriculum F-10** sets out a single, coherent and comprehensive set of content descriptions and associated achievement standards to enable teachers to plan, monitor, assess and report on the learning achievement of every student.

The Victorian Curriculum F-10 incorporates and reflects much of the Australian Curriculum F-10, but differs in some important respects, most notably the representation of the curriculum as a continuum of learning and the structural design. Victorian priorities and standards are reflected in the new curriculum.

Victorian government and Catholic schools are required to use the Victorian Curriculum F-10 at the start of 2017. Independent schools may use the Victorian Curriculum F-10 as a model and resource for the effective implementation of the Australian Curriculum. In 2016, schools can also use the curriculum for planning and preparation. Further information about the new Victorian Curriculum will be provided at the DATTA Vic Hands On conference in December as well as throughout 2016.

Leanne Compton, Curriculum Manager, Design & Technologies

Maker Space - The Conference

Thursday 3rd of December at NCAT



The countdown has begun! Only 2 months to go to our annual hands-on conference, and we're very excited! We're delighted to announce the involvement of a range of sponsors, whose support is invaluable in making this a very special event for all of our members!



All these organisations will be running an exhibition stand at the conference, giving you hands-on access to the latest technology, resources and materials, as well as support available for your students. Joining them as trade exhibitors are:

- Alflex CNC
- Timbecon
- 3-D Printing Systems
- Cengage
- Qestacon
- Plus more to be announced soon!

We also have a fantastic range of workshops for our delegates, including:

- *OH&S, the Classroom & You*
- *Strategies to encourage young people to take up STEM careers*
- *It is here! The new F-10 Curriculum for Victoria*
- *The Wind Tunnel Challenge by Qestacon*
- *Autodesk Inventor & 3D Printing*
- *SolidEdge for 3D Printing*
- *Wearable Technology & E-Textiles*
- *A Makers Favourite - Arduino*
- *Woodturning Safety, Techniques & Project Ideas*
- *Fibres to Fabrics*
- *Introducing Dudes*
- *Welding in the Technology Classroom*
- *Our Journey to Maker Spaces...and Beyond*
- *Introduction to Silver Jewellery Making*
- *Plus many more!*

The program will be published and bookings will open in the second week of term 4 - make sure you register early to get your first choice of workshops!

If you have any questions, contact Laura at pl@datta.vic.edu.au. Hope to see you all there!

Professional Learning

A recap of term 3's events..



Designing a floating home at our *Humanitarian Design & Engineering and STEM* workshop on the 20th July



Participants in our *Picaxe 14M2 Microcontroller & Model* workshop, run by Pat McMahon.

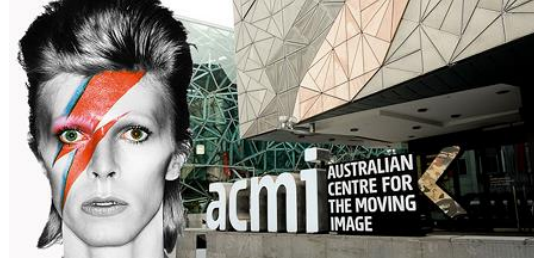
Term 3 was an incredibly busy one for DATTA Vic, with a wide range of workshops offered throughout Victoria. Just some of the highlights were:

- Humanitarian Design & Engineering & STEM
- The Design Process with the Bendigo Technology Teachers' Network
- VCE Exam Prep for teachers of Systems Engineering and PD&T
- OH&S in the Technology Classroom with the Dept.of Education & Training
- Picaxe 14M2 Microcontroller & Model
- VCE PD&T Student Exam Preps at Swinburne Uni and Horsham

Thanks to everyone who came along to these events - hope to see you at another DATTA Vic workshop soon!

...and what's coming up in term 4

As well as our Maker Space conference on the 3rd of December, we're also running a range of teacher PL sessions and student workshops throughout Victoria.



Click on the links below for more information and to register:

- [VCE PD&T Student Exam Prep in Mildura](#), October 9th
- [The Big Wool Day Out!](#) at the National Wool Museum, October 9th
- [VCA PD&T Student Exam Prep at the Australian Academy of Design](#), October 12th
- [VCE PD&T Exam Prep in Geelong](#), October 15th
- [David Bowie & Costume Design at ACMI](#), October 15th
- [VCE PD&T Exam Prep in Sale](#), October 16th
- [CREO 2.0](#), November 10th & 17th

Plus, DATTA Vic is on hand to help you and your students through the exams! As well as the range of [student and teacher workshops](#) running throughout Victoria, we offer the following:

- A [VCE PD&T Practice Exam](#) is available for sale
 - You can download the [2014 Exams and Exam Reports](#) for PD&T & Systems Engineering our website
 - You can contact DATTA Vic any time for support and advice. Just email Laura at pl@datta.vic.edu.au and we'll do we can to help!
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Skill Sharing

a New DATTA Vic Initiative



DATTA Vic is committed to supporting our members - wherever they are in Victoria. In order to ensure that rural and regional teachers have better access to professional learning, we hope to run a new program next year called **Skill Sharing**. We are looking for educators to register with us if they have a workshop they are willing to run in their local area.

DATTA Vic will publish the list of these workshops, and schools can register for sessions in their local area. All *Skill Sharing* participants will receive a certificate of participation.

There will be a nominal charge for participants, and presenters will be paid. We can also cover certain materials costs.

If you have an idea for a workshop you could run for your fellow teachers, please complete the application form [HERE](#), or contact Laura at pl@datta.vic.edu.au.

Robocup - The Robot Revolution is Here!



[The RoboCup Junior State Finals](#) that were held recently at the University of Melbourne is proof that the Robot Revolution has made it to our schools! RoboCup Junior has been running now for 16 years and in the past year the entry level has close to doubled! This year, the RoboCup Junior State finals hosted 500 students in close to 200 teams from 42 schools competing in *Robot Soccer*, *Rescue* and *Dance*.

This year a team from Christian College Geelong has qualified to represent Australia in *Robot Soccer* in Qatar.

Brian Thomas, Christian College Geelong

Click [HERE](#) for a full report on *Robocup* from Brian Thomas, Christian College Geelong

Education State

The Victorian Govt's Education Plans

On the 14th of September, the Victorian Government outlined their *Education State* vision and policy approaches. STEM has a particularly prominent place within the plans.

Further information about the *Education State* is available on the Department's website [HERE](#)



P-Tech Schools for Regional Victoria

The nation's first two *Pathways in Technology Early Career High schools* will target disadvantaged young students and foster new ties between industry and education in Geelong and Ballarat.

Read the full report in [Education HQ](#).



And the Wool4School Winner is...

Year 10 student Ben Colvin is the first male student to take out the top prize for Australian Wool Innovation's Wool4School national student design competition. Read the full report in [Farm Weekly](#).



Good News from Deakin University

Deakin University has just announced a new course -A ***Bachelor of Design Technology with a major in Industrial Design*** - to be offered for the first time in 2016 at their Waurn Ponds campus in Geelong. Students will have access to their brand new \$55 million facility, the [Centre for Advanced Design in Engineering Technology](#) (CADET)

For more information, click [HERE](#).



Human-Centred Design - the Flyease

Thanks to Craig Watson from Kardinia College for submitting this fantastic example of Human-Centred Design - a great clip for your VCE PD&T students to watch [HERE](#).



Technology and Australia's Future

Last week, the [Australian Council of Learned Academies](#) (ACOLA) launched the report *Technology and Australia's Future*. ACOLA works to inform national policy and develop innovative solutions to complex global problems and emerging national needs.

Their report identifies the unprecedented opportunities for economic growth offered by new technologies, and explores how the country needs to adapt to position itself to take a leading position in these developments. Read the full report [HERE](#).



Afternoon Discussion - Racing Fashions

Join NGV and a range of Fashion greats as they explore the hats, heels and horses of the Melbourne Cup!

Sunday October 11, 1pm - 3pm, NGV International. For more information, click [HERE](#)



Polo People, Werribee Park, 1991 by Renee Ellis, NGV

In Memoriam - Sally Johnson

The teaching community is mourning the passing of Sally Johnson. Sally made a difference to people. She went through the B Ed. Art and Craft course at Melbourne State College and majored in Wood.

She was at MLC for 25 years and taught Product Design - wood. She was a positive role model to the girls at MLC and they always aimed high as a result. On a number of occasions her students were in Top Designs. In 2014 Top Designs one of her students made an amazing skirt out of wood as well as a clutch purse and a necklace. Sally was always an innovative creative thinker who would have said to her students "Sure, let's have a go at that"

Sally was the assistant Chief Assessor and was so supportive and understanding during exam marking when the inevitable happened and the marker was out of range. Ringing Sally up wasn't traumatising.

She died as a result of a brain tumour which is a little known cancer that robs us of so many brilliant people.

Robin Panousieris

