

## The DATTA Vic Newsletter Term 1 2018



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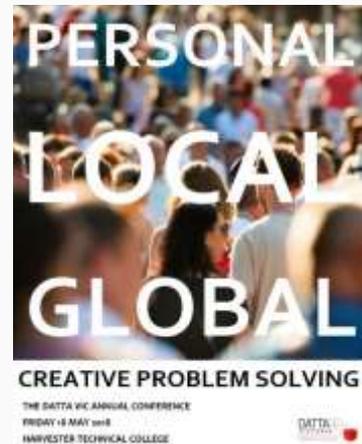


## Welcome from the President

Welcome everyone to a new year. DATTA Vic has been through a few changes in recent months. While Peter Murphy productively leads DATTA Australia as its new president, I have been enjoying my own transition into the role of president of DATTA Vic.

At the end of last year we proudly awarded two honorary memberships to DATTA Vic – to **David Fletcher and Pat McMahon**. Both are extremely generous and valuable members of our D&T community, and we thank them for their hard work and commitment.

It is another busy year for DATTA Vic. Our May 18 conference will be held at Harvester Technical College with a focus on **PERSONAL LOCAL GLOBAL Creative Problem Solving**. Design-led teaching and design-led STEM are key to helping our students solve problems in a world facing big issues such as sustainability, ever-developing technologies and materials.



If students can be directed to understand the real needs of end-users, either on a personal, local or global level, they can make empathetic connections that result in design ideas that meet their broader needs. Some of these needs could include the design and production of a product for a disabled family member using a new technology, re-purposed garments that might be needed for a women's refuge, or a water-filtering system that could globally support the eradication of plastic bottles.



We'll be running various professional learning sessions in 2018 throughout Victoria, led by our dedicated and knowledgeable members including Jill Livett and Jacinta O'Leary. Their in-depth knowledge means teachers can easily get to grips with the Victorian D&T Curriculum and the new VCE study design and use resources to further their teaching and student learning.

Design & Technology Week 2018 will run as a national event again from the 15<sup>th</sup> – 21<sup>st</sup> October. We ask that you book this week early with your school organiser so as many students as possible can participate. We'll be sending out more details soon, and you can check out the [DATTA Australia website](#) for all the latest news.

Many schools in 2017 showed a great deal of interest in [So You Think You Can Design](#), our student competition. Get your school involved this year - we have our [Textiles competition](#) running now in Victoria, and details of the national event (open to all D&T students across Australia), which takes place in Design & Technology Week, will be announced soon.

Becoming a member of DATTA Vic either as an individual or as a school is easy. You'll find details below. We also encourage teachers to present at workshops and conferences. This is a great way to share your passion and knowledge of the subject area with like-minded people and also obtain new ideas yourself.

*Joanne Heide*

*President, Design and Technology Teachers' Association Victoria*

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## DATTA Vic Membership for 2018



Thanks to all of you who have renewed your membership with DATTA Vic for 2018, or decided to join us for the first time. We're delighted to have you on board! And if you haven't joined us for 2018 yet, we'd love to have

you!

It's simple to sign up - just click [HERE](#) to access our online forms for school or individual membership applications.

Remember, being a DATTA Vic member comes with some great benefits, including;

- Free resources
  - Discounted PL & Conference rates
  - Reduced prices on [text books](#)
  - Support with curriculum implementation
  - Help with teaching STEM
- 
- Regional events
  - Expert Advice
  - Networking opportunities
  - Help with OH&S issues
  - Special prices for students and CRT teachers
  - and much, much more

For more information on membership, contact Laura at [pl@datta.vic.edu.au](mailto:pl@datta.vic.edu.au) or 03 9349 5809



## News from the VCAA

### SAT Professional Learning Sessions

Full-day PL sessions for School-assessed Tasks will be held during February 2018, which are designed to provide teachers with a clear understanding of how to apply the assessment criteria and descriptors for the School-assessed Task in the relevant study.

## Face-to-Face Sessions

### Product Design and Technology

Wednesday 21 February at Coburg

In the face-in-face sessions, teachers will be provided with an overview of the revised study design being implemented this year.

### Systems Engineering

Tuesday 20 February at 2 Lonsdale Street, Melbourne

In the face-in-face sessions, teachers will be provided with an overview of the revised study design to be implemented in 2019.



### Webinars

In addition, there will be webinars for teachers who are unable to attend. These will focus on providing teachers with a clear understanding of how to apply the assessment criteria and descriptors for the SAT in the relevant study.

- **Product Design and Technology** : Thursday 22 February
- **Systems Engineering**: Monday 19 February

Details to register can be found [HERE](#).

Contact [vcaa.vce.pd@edumail.vic.gov.au](mailto:vcaa.vce.pd@edumail.vic.gov.au) for any further information.

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## Advice for teachers

The VCE Product Design and Technology study design 2018-2022 *Advice for Teachers* is available online.(Click [HERE](#)) This digital publication provides teaching and learning advice for Units 1 to 4 and assessment advice for school-based assessment in Units 3 and 4.

There is advice related to sample approaches to developing assessment tasks.

- Click [HERE](#) for Unit 3
  - Click [HERE](#) for Unit 4
-



## Top Designs 2018

Top Designs is an annual exhibition at Melbourne Museum presenting work created by students who completed a range of studies including Product Design and Technology and Systems Engineering.

Top Designs 2018 will take place at the Melbourne Museum between Saturday 17 March and Sunday 15 July 2018.

Bookings for the 2018 program have been available from 1 December 2017 - you'll find program details [HERE](#). Please visit the [Melbourne Museum education bookings page](#) for more information:

For a full list of the exhibitors selected for this exhibition, click [HERE](#).

*Leanne Compton*

*VCAA Curriculum Manager, Design and Technologies*

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## Makerspace 2017 Recap



Thanks to all the delegates, presenters, sponsors and exhibitors who participated in our **Makerspace 2017** conference on the 1st of December 2017. And of course, a special mention to our fantastic hosts, NCAT, and all their staff who supported the event.



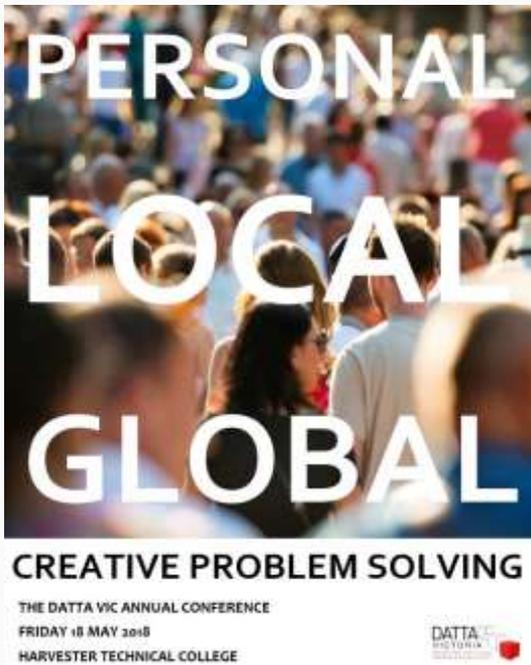
Despite the dramatic weather, it was a fantastic day, and aside from a few last-minute room changes to keep everyone safe and dry and under the one roof, it went without a hitch! *"It was a great day out to network, share ideas and learn from others."*  
LG

We are in the process of uploading many of the conference presentations to our website - if you're a member, simply log-in and click **HERE**. If you have any problems logging in, contact Hannah at [admin@datta.vic.edu.au](mailto:admin@datta.vic.edu.au).

And if you want to catch up on all the action from the day, click **HERE** to view our ***Makerspace 2017*** photo gallery on the DATTA Vic Facebook page. Make sure you like us for all the latest news and a great range of resources!



# **PERSONAL LOCAL GLOBAL** **Creative Problem Solving** The DATTA Vic Annual Conference in May 2018



We're delighted to announce details of our annual mid-year conference, which will take place on the 18th May at Harvester Technical College in Sunshine - so get that date in your diaries now! **PERSONAL LOCAL GLOBAL Creative Problem Solving** will explore how we can help our students develop an understanding of social & environmental issues and respond creatively to design challenges using their skills and new technologies.

If you have an idea for a workshop, then we'd love to hear it! Just submit the **Presenter Application Form** by February 28th 2018. Whether it's on a great 7-10 classroom project, a successful STEM program, an exciting approach for primary students, addressing the new VCE study designs or offering the opportunity to upskill, we'd love you to share your knowledge with colleagues and be part of a special day.

For more information, contact Laura at [pl@datta.vic.edu.au](mailto:pl@datta.vic.edu.au).

And just a reminder of our other major conference event for 2018 - from the **6th - 8th of December 2018**, we'll be hosting, along with Swinburne University, **Design Led Innovation**, the national DATTA Aus & DATTA Research Conference.



With delegates from throughout Australia and beyond from the primary, secondary and tertiary sectors, this is one for D&T educators not to miss! We'll be putting out a call for presenters for this 3-day major event soon, so watch this space!

## **So You Think You Can Design - Textiles 2018**



Registrations are now open for our annual student competition, ***So You Think You Can Design - Textiles***.

Sign your school up now - You can work with as many students as you like in class, and then you should submit 2 winners to DATTA Vic. They have the chance to compete as a team live at the SYTYCD finals at the DATTA Vic annual conference on the 18th of May in Sunshine, and the winners will each receive a **Bernina 215 Sewing Machine**!



It's a great way to engage your students in the design process, and promote Textiles to your wider school community.

Taking part is easy - simply email Laura at [apl@datta.vic.edu.au](mailto:apl@datta.vic.edu.au) to register your school. You'll then be sent permission slips, which we'll require for your students if they get through to the finals.

Then click [HERE](#) for the FAQ's, including the Design Challenges you'll be running and information on the final.

Good luck!

Thanks to our sponsors for their generous support for this program:

**BERNINA**  
made to create

 **WOOL4SCHOOL®**  
DESIGN COMPETITION

## So You Think You Can Design 2017 - Announcing the winner!



As you'll know, last year, **So You Think You Can Design** was run as a national competition, as part of the DATTA Aus [Design & Technology Week](#) Program.

Students throughout Australia were given the following design brief -

***To design a product that attempts to solve a personal, local or global problem.***



# D&T Classroom Projects for Years 7-10



## Thursday 8th March at Ballarat Tech School

This workshop is a partnership between DATTA Vic and [Ballarat Tech School](#). Targeted at secondary Design & Technologies teachers, we'll be exploring a range of project ideas for Years 7-10. The day will have a focus both on STEM and on engaging girls in Technologies - particularly as, on the 8th of March, we'll be celebrating [International Women's Day](#)!

The day will include:

- Design & Technologies Curriculum Overview & 7-10 Project Ideas by Jacinta O'Leary, DATTA Vic, co-author of [Tech by Design](#)
- The Year 8 STEM Program from St Patrick's College Ballarat - a partnership between Science & Technologies



- Brainstorming on projects to engage girls in Design & Technologies
- The Ballarat Tech School Disaster Relief Housing Project
- The Ballarat Tech School Humanoid Robot Assistant Project

Click [HERE](#) for more information and to book.

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## North East Region Design & Technologies Group



- Are you a secondary Design & Technologies teacher in NE Victoria?
- Are you a primary teacher with an interest in Technologies and STEM?
- Do you teach VCE PD&T or Systems Engineering and would benefit from more support?
- Would you like a forum where you can meet local teachers, network and share skills, ideas and knowledge?

DATTA Vic and Victory Lutheran College In Wodonga have teamed up to run the first ever **North East D&T Group** for primary and secondary educators. It's on the 2nd of March, 4pm - 5.30pm at V.L.C and it's free for members.



We'll have an introduction to VEX Robotics, giving everyone a chance to try out this program and consider how you you could introduce coding and robotics into your classroom. There will also be plenty of time to discuss issues, share ideas and to talk about where you'd like to see this group going in the future.

For more information and to book, click [\*\*HERE\*\*](#).

And if you're in the North East, please share this opportunity with your local colleagues.

For further information contact Laura at [pl@datta.vic.edu.au](mailto:pl@datta.vic.edu.au).



### **South West Region D&T Group**

Our Design & Technologies group in South West Victoria is still going strong - our last meet up took place on the 11th December in Warrnambool, when Tim Gunner from Terang College led a discussion on the new VCE PD&T study design. We're just finalising the details of the next session, which we'll be publishing very soon!

If you are a primary or secondary teacher in the South West region with an interest in Technologies, get in touch with Laura at [pl@datta.vic.edu.au](mailto:pl@datta.vic.edu.au), and see how this group can help you - and remember, general meetings are free for all DATTA Vic members!



### **New VCE PD&T SAT Folio Workshops for Students, 1pm - 3.30pm;**

- [via polycom \(for rural & regional schools\),  
Monday February 12](#)
- [Swinburne University, Monday February 19](#)



### **The New VCE PD&T Units 1 & 3 for New & Returning Teachers**

[Thursday February 15](#)

10am - 3pm

The Dream Factory, Footscray

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## **VCE Systems Engineering Units 1 & 3 for New & Returning Teachers**

**Friday February 23**

9.30am - 4pm

Caroline Chisolm Catholic College

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## **Build Your Own Infrared, Remote-Controlled STEAM Model**

**Saturday March 17**

9am - 3pm

Diamond Valley College

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## **The New VCE PD&T Study Design Intensive at KIOSC**

**Monday March 19**

10am - 3.30pm

KIOSC, Wantirna

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## **The New VCE PD&T SAT Criteria & Related Exam Questions**

**Thursday March 22**

1pm - 4pm

The Dream Factory, Footscray

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# Marimekko - Pattern & Analysis



## March 13, Bendigo Art Gallery

Once again, we're delighted to be partnering with Bendigo Art Gallery on a professional learning event for Textiles teachers - and this is one you don't want to miss!!

To complement [Marimekko Design Icon 1951 - 2018](#), teachers can participate in this fantastic, hands-on workshop at BAG.

Explore the exhibition, network and learn about the historical contexts of Marimekko with a curator presentation. Then taking Marimekko patterns as inspiration, recreate different styles of pattern in different media including block printing, light sensitive fabric dye, digital design and collage.



Discover different ways you can transfer these patterns onto fabric and discuss how you might use these in your teaching practice. You'll leave with a variety of pattern making tools and a sampler with at least four different Marimekko inspired patterns.

DATTA Vic members receive a discount - for further information and to book, click [HERE](#).

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# DATTA Vic Teacher of the Year Award Winners

DATTA Vic are delighted to announce the winners of our **2017 Design & Technologies Educators of the Year Awards**.

They are:

**The Foster Adem Leadership in Technologies Education 2017 Award Winner** *and*  
**The DATTA Australia Teacher of the Year 2017 Award Winner**



Ben McKenzie from Emmanuel College  
Warrnambool

## **Secondary Educator of the Year**

Elizabeth Grech, Hume Central Secondary College

## **Primary Educator of the Year**

Ben Fiegert, Kangaroo Flat Primary School

## **New to Teaching Award**

Christopher Hudson, North Geelong Secondary College

Congratulations to you all - and to all of the runners up - we are so grateful for all the amazing work you do in the D&T Learning Area.

Our winners will receive their prizes at our **PERSONAL LOCAL GLOBAL Creative Problem Solving** conference on the 18th June at Harvester Technical College

Click **HERE** for further information on the awards, including the 2017 runners up, the selection criteria and previous winners.

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## Honorary Members

As well as celebrating our award winners for 2017, we're delighted to welcome two new Honorary Members to DATTA Vic. Honorary membership is awarded to those teachers whose work has had a significant impact on the Design & Technologies learning area - and we'll sure you'll agree that this is the case for our inductees.



### **Pat McMahon**

Pat is retiring from his job at Diamond Valley College in 2018. During his teaching career, he's helped over 3000 students build a Picaxe Microcontroller and control some great award winning models He has also run workshops for over 600 teachers - and he'll continue to support his colleagues even in retirement!

Pat has shown his students' work overseas and has received numerous awards for his work. So we want to say thanks to him for his astonishing contribution to the D&T learning area.

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### **David Fletcher**

David taught Design and Technology and Visual Communication for 29 years at Huntingtower School. He has been an active member of the DATTA Vic committee for many years, and Secretary of DATTA Vic for the past 7 years. He is involved in CAD training with CREO 2, and has sat on the OH&S Advisory Panel for the Safe Use of Machinery in Technology Teaching course.



David originally trained as a Primary School teacher at Balmain Teachers College, and completed a Diploma of Industrial Arts Education at NSW Institute of Technology. He taught in Wales, as a Commonwealth Exchange teacher. He lectured for 10 years in Art & Craft Education at Alexander Mackie College of Advanced Education in Sydney, and has a Bachelor of Fine Arts (Crafts) from Bowling Green State University in Ohio. On behalf of the DATTA Vic committee, we want to thank him for his tireless work on behalf of D&T teachers.

## University News

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### Bachelor of Engineering Practice at Swinburne



Swinburne University have launched a new Bachelor of Engineering Practice (Honours), which offers a revolutionary approach to learning and skill development. From day one, students will be taken out of the classroom and into the workplace in a unique higher education experience. The first in Australia, this project-based curriculum – co-created and co-delivered by industry professionals – provides students with practical, professional experience and a work-ready skill set.

Click [HERE](#) for more details.

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### Deakin University's Outreach Programs



The Faculty of Science, Engineering and Built Environment (SEBE) at Deakin University is committed to engaging young minds with the possibilities of studying architecture and built environment, engineering, information technology, and life and environmental sciences. They run a wide variety of outreach programs with a focus on STEM-related subjects for secondary school students in the Melbourne, Geelong and Warrnambool areas.

Check out their new website for details of all the workshops on offer [HERE](#).

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## The Premier's Design Awards



Congratulations to Richmond-based industrial designers [Bayly Group](#) for taking out the top prize in the 2017 Premier's Design Awards. Their **YMCA Playnasium** is unique outdoor gymnasium that combines children's playground favourites, like see-saws and swings, with adult exercise equipment. For some great inspiration for your students click [HERE](#) for the 2017 Yearbook, which gives further details on the *Playnasium*, as well as all winners and finalists for each award category, including *Fashion Design*, *Product Design* and *Service Design*.

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# What's on in Victoria

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## NGV Triennial



*Manga Chairs 2015 by Nendo  
Image credit: NGV*

### Runs till April 18, NGV International

Featuring the work of over 100 artists and designers from 32 countries, the **NGV Triennial** surveys the world of art and design, across cultures, scales, geographies and perspectives.

A free exhibition, the NGV Triennial is a celebration of contemporary art and design practice that traverses all four levels of NGV International, as well as offering a rich array of programs.



The exhibition is complemented with an exciting education program for both teachers and students, and DATTA Vic have been delighted to collaborate with NGV on their design-focused sessions. Click **HERE** to download their Triennial Education Program brochure.

*Joris Laarman, Maker chair, diamond, prototype, 2014*

Image credit: Friedman Benda

## The Virgin Australia Melbourne Fashion Festival 2018



Australia's largest fashion event returns to Melbourne from the 1st - 18th March 2018. It will feature a wealth of runway shows, designer talks, exhibitions and an exciting events program, all taking place in venues throughout the city. Click [HERE](#) for more information.

## What's on in Tasmania



*Muhammad M. Faizal, Sila Table and Benches. Photography by Emily Dimozantos.*

[Design Tasmania](#) has a fantastic summer exhibition program running until February 18th, which features not one but three exhibitions! So last chance to visit now to see;

Design Discoveries | Aboriginal Design Masterclass  
The 2018 Design Tasmania Award Top Ten  
In Situ: UTAS Furniture Design Graduate Exhibition

Click [HERE](#) for more information.



Join DATTA Vic for:

- free resources
- discounted PL & conference rates
- reduced prices on text books
- support with curriculum implementation
- help with teaching STEM
- expert advice
- networking opportunities
- rural & regional programs
- support with OH&S issues
- special prices for students & CRT

**Sign up today**, or contact Laura at [pl.datta.vic.edu.au](mailto:pl.datta.vic.edu.au) to chat about the benefits of membership for you and your school.



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Admin

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