## DATTA Vic Design Thinking Conference Program: 20 – 21 June 2014

### Registration: 8.15am -9.00am
### Welcome: 9.00am-9.20am
### Keynote: Tim Collins  9.20am-10.20am
### Morning Tea – 10.20am-11.00am

**Workshop 1: 11.00am-1.00pm**

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<thead>
<tr>
<th>1 hour session: 11.00am-12.00pm</th>
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<tbody>
<tr>
<td>Phooshop and CAD: How to effectively produce presentation drawings</td>
<td>VCE Systems Engineering</td>
<td>VCE Product Design and Technology</td>
<td>Build an infrared Picaxe14M2 microcontroller run from a universal remote supplied</td>
<td>Creative book builder</td>
<td>Product drawing and rendering</td>
<td>Make it Modern - Collaborative Design at the NGV</td>
<td>Quick and easy website construction for folios</td>
<td>Vliseofix/ Bondaweb beyond appliqué</td>
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<td>• VCE/VET/VCAL</td>
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<td>• Secondary, VCE/VCAL/ VET, Systems</td>
<td>• Secondary WMP</td>
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<td>• General</td>
<td>• Systems</td>
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<td>• Secondary Systems</td>
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<td>• Adem Foster</td>
<td>• All</td>
<td>• Textiles</td>
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<tr>
<td>• Jarrod Carter</td>
<td>• WMP</td>
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<td>• Jacinta O’Leary</td>
<td>• Pat McMahon</td>
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<td>• Computer room</td>
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<td>• Dr Blair Kuys</td>
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<td>• Christine Thong</td>
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**Lunch: 1.00pm-2.00pm**

**Workshop 2: 2.00pm-4.00pm**

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<td>Building a model solar boat for competition</td>
<td>Construct and solder 3x3x3 LED cube</td>
<td>From ideation to implementation: Questacon’s exhibit design process</td>
<td>Manipulating textiles</td>
<td>Eco yarn, plarn and tarm</td>
<td>A New Robot In Class Ev3</td>
<td>Mobile Phone Stand</td>
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<td>• Years 7 and 8, Secondary</td>
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<td>• Luke Dicker</td>
<td>• Cathy Sofarnos</td>
<td>• Wayne Young</td>
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<td>• Patricia Hynes</td>
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**Workshop session 2:**

- **3D Printing**
  - Secondary, VCE/VCAL/ VET
  - WMP, Systems
  - Soullis Tavrou
  - Computer room

- **Design in Sketch up**
  - Secondary, VCE/VCAL/ VET
  - WMP, Systems
  - Luke Dicker
  - Computer room

- **Building a model solar boat for competition**
  - Primary, secondary
  - WMP, Systems
  - Wayne Young
  - Workshop

- **Construct and solder 3x3x3 LED cube**
  - Secondary
  - Systems
  - Pat McMahon
  - Workshop

- **From ideation to implementation: Questacon’s exhibit design process**
  - Secondary
  - General
  - Practical

- **Manipulating textiles**
  - Secondary, VCE/VCAL/ VET
  - Textiles
  - Patricia Hynes
  - Workshop

- **Eco yarn, plarn and tarm**
  - Secondary
  - Textiles
  - Suzanne Arnott
  - Workshop

- **A New Robot In Class Ev3**
  - Primary, secondary
  - Robotics
  - Libby Moore
  - Workshop

- **Mobile Phone Stand**
  - Years 7 and 8, Secondary
  - Robotics
  - Paul Escreet
  - Workshop
**Saturday 21 June**

**Registration:** 8.30am-9.15am

**Welcome:** 9.15am-9.20am

**Keynote:** Andrew Douch 9.20am-10.20am

**Morning Tea** – 10.20am-11.00am

**Workshop session 1:** 11.00am-1.00pm

1. **Electronics learning - a new complete resource from basis to Arduino**
   - Secondary, VCE/VCAL/VET
   - WMP, Product Design
   - Tony Pugatschew
   - Workshop

2. **Design sketching**
   - Secondary
   - WMP, Systems
   - Dr Blair Kuys
   - Workshop
   - Practical

3. **Creating a sample folio for VCE PD&T Units 3 & 4**
   - VCE
   - PD&T, Textiles
   - Jacinta O’Leary
   - Presentation

4. **How to explain everything**
   - Secondary
   - General
   - Suzanne Arnott
   - Computer room

5. **Design thinking workshop**
   - Primary, Secondary
   - General
   - Dr Samantha Edwards-Vandenhoek
   - Workshop

6. **Manipulating textiles**
   - Secondary, VCE/VCAL/VET
   - Textiles
   - Patricia Hynes
   - Workshop

7. **Organza Applique**
   - 10, 11 and VCE
   - Textiles
   - Cathy Sofarnos
   - Workshop

8. **Working with Plastics**
   - Secondary, years 7 to 9
   - Plastics
   - Joanne Heide
   - Workshop

9. **Assessing Hazards and Seeking Compliance**
   - Secondary
   - VCE/VET/VCAL
   - General
   - Andrew Nicholls
   - Presentation

10. **Tackling the Australian technologies curriculum head on**
    - Primary/Secondary
    - General
    - Jill Livett
    - Presentation

**Lunch:** 1.00pm-2.00pm

**Workshop session 2:** 2.00pm-4.00pm

11. **Basic 3D modelling and printing**
    - Secondary
    - WMP, Systems
    - Dr Gianni Renda
    - Computer room

12. **Design sketching**
    - Secondary
    - WMP, Systems
    - Dr Blair Kuys
    - Practical workshop

13. **The Arduino microcontroller at years 9 and 10**
    - Secondary
    - Systems
    - Ray Watterson
    - Computer room

14. **Blogs, wikis and web pages**
    - VCE/VCAL/VET
    - Secondary
    - Systems
    - Debbie Clifford
    - Workshop

15. **Love to embellish**
    - Secondary
    - Textiles
    - Debbie Clifford
    - Workshop

16. **An Exploration of the Design Process to Create Textile Art works**
    - Secondary
    - VCE/VCAL
    - Textiles
    - Dawn Richardson-Hyde
    - Workshop

17. **Hands-on Metal Craft**
    - Secondary
    - Metal
    - Greg Cowie
    - Workshop

18. **Designing analytic circuits-running through a semester**
    - Secondary
    - Systems
    - Divinderjit Singh
    - Chattrath
    - Workshop