



The Royal Society of Victoria

Promoting Science.

PATRON: The Hon Linda Dessau AM
Governor of Victoria

PRESIDENT: Dr William Birch AM

Headlines...

14th April: How Does Nature Do It? Unlocking High-Performance Natural Composites with Computers to Inspire New Materials

20th April: Field Trip – Advanced Manufacturing Precinct, RMIT

27th April: The Big Ideas Book Club - “God’s Philosophers: How the Medieval World Lay the Foundations of Modern Science” by James Hannam

28th April: Annual General Meeting & Strategy Briefing for Members

2016 Advance Notice:

12th May: Continental Loss: The Quest to Determine Antarctica’s Contribution to Sea-Level Rise

13th May: Field Trip – Peter Doherty Institute for Infection & Immunity

26th May: Science in the State’s Interest: the Victorian Precursors to CSIRO (Joint lecture with the Royal Historical Society of Victoria)

April 2016 Newsletter

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www.royalsocietyvictoria.org.au



April Meetings & Events

HOW DOES NATURE DO IT? UNLOCKING HIGH-PERFORMANCE NATURAL COMPOSITES WITH COMPUTERS TO INSPIRE NEW MATERIALS



The first April meeting of the Royal Society of Victoria will be held on
Thursday, 14th April 2016 at 7.00pm.

Speaker: **Professor Tiffany Walsh**
VESKI Innovation Fellow
Professor in Bio/Nanotechnology
Institute for Frontier Materials, Deakin University

High-performance materials can be found throughout Nature. Many of these are composite materials, formed by living organisms, comprising soft biological matter (such as proteins) and hard inorganic matter such as silica, hydroxyapatite and calcite – as can be found in shells, sponge spicules and teeth/bone. These materials have remarkable properties and typically cannot be reproduced in the lab with synthetic materials. Also, they are usually formed in water, under ambient conditions – the ultimate in “green fabrication”.

How does Nature do it?

Join Professor of Bio/Nanotechnology Tiff Walsh for a brief overview of the fascinating world of Nature’s advanced materials. Tiff will highlight how, with a body of research spanning around a century, we still have much to learn from these systems and how we might harness Nature’s rules for designing synthetic materials with novel properties using computer simulations. Such novel synthetic materials could promote advances in diverse areas of activity, ranging from technology, healthcare, energy through to interpretations of our cultural heritage.

About the Speaker:

After graduating with a B.Sci (Hons) from the University of Melbourne, Tiff Walsh earned her PhD degree in theoretical chemistry from the University of Cambridge, U.K. as a Cambridge Commonwealth Trust scholar. Following a Glasstone Fellowship in the Department of Materials at the University of Oxford, in 2002 she joined the faculty of the University of Warwick in the Dept. of Chemistry. In 2012 Tiff returned to Australia to the Institute for Frontier Materials at Deakin University, where she is currently Professor of Bio/Nanotechnology. Her research interests focus on computational modelling of the interface between biomolecules and surfaces, using molecular simulations. She was appointed to join the Australian Research Council (ARC) College of Experts in 2015.



Book online now at <http://ow.ly/ZMVt9> call or email the RSV office to secure your place: 9663 5259, rsv@sciencevictoria.org.au. If you plan to join us for refreshments prior to our lecture from 6.15pm, please register your attendance so we can anticipate catering requirements. **All most welcome.**

APRIL FIELD TRIP



An **RSV member-only** tour will be conducted on **20th April, 2016**

ADVANCED MANUFACTURING PRECINCT, RMIT

The Royal Society of Victoria will convene its second field trip for the year with a visit to the Advanced Manufacturing Precinct at RMIT.

Housing some of the most advanced manufacturing technologies available, the Advanced Manufacturing Precinct brings design and engineering together, from digital design to digital manufacturing.

The facility particularly focuses on 3D printing of advanced, high value-add products and components. Specialised equipment and experts assist companies with developing new conceptual products, performing multiple design iterations, or further developing existing products and enhancing manufacturing processes.

Come see the future of manufacturing and product development at this remarkable facility, led by **Professor Milan Brandt** and his team.



Register online now at <http://ow.ly/ZMVmZ> or contact the RSV office to secure your place: 9663 5259, rsv@sciencevictoria.org.au. No cost to RSV members, but **numbers are strictly limited. Please act fast!**

NOTICE OF ANNUAL GENERAL MEETING



The Royal Society of Victoria's **Annual General Meeting** will be convened on **28th April, 2016**

All **voting members** of the Royal Society of Victoria are requested to attend the Annual General Meeting in April to review the Society's performance over the course of 2015. The annual statement will be circulated ahead of the meeting for review and discussion on the night. Please note the earlier start time of **6pm**.

Following the meeting's main business, RSV President Dr William Birch and Executive Director Mr Mike Flattley will outline the strategic planning work undertaken through member discussion groups, surveys and workshops over the course of 2015, presenting some of the goals and activities that will inform our Society's priorities in the coming years.



50 voting members present in person or by proxy are required for the meeting to proceed. **Please register your intention to attend** using the short form online at <http://ow.ly/ZMViz> or by calling the RSV office on 9663 5259. Student members are ineligible to vote in Council elections and at the Annual General Meetings.

If you are unable to attend, you may nominate a **proxy** to vote in your place by completing the form on page 11 of this newsletter, also available from our website at <http://ow.ly/1022qj>. AGM papers will be distributed to voting members via email in the coming week.

RSV Young Scientist Research Prizes 2016

A reminder that submissions are now open for the 2016 Young Scientist Research Prizes, open to **postgraduate doctoral students in third or fourth year of their candidacy at a Victorian research institution** in all areas of the Biomedical & Health Sciences, Biological Sciences (Non-human), Earth Sciences and Physical Sciences.

Applications close at 5.00pm on Saturday, 30 April 2016. Candidates should nominate themselves. Please bring these prizes to the attention of the talented emerging scientists in your network.

Full details are available from our website at <http://www.royalsocietyvictoria.org.au/awards-and-prizes/young-scientist-research-prizes/>

RSV Medal for Excellence in Scientific Research



2015 RSV Research Medal winner Professor David Karoly (right) with RSV President Dr William Birch AM and Her Excellency the Hon Linda Dessau AM, Governor of Victoria

Submissions open for the 2016 RSV Medal on **31st March**. This year, nominations are invited for Category IV: Physical Sciences, which includes research in the disciplines of Astronomy, Astrophysics, Chemistry, Engineering, Mathematics, Physics and related sciences.

Award criteria are based on demonstration of the candidate's excellence and leadership in scientific research. The work shall have been carried out in Australia, or about Australia, with preference for work conducted in Victoria, or about Victoria.

Members and friends are strongly encouraged to consider the high achievers in their networks and submit nominations. **Submissions close at 5pm**

on **31 August, 2016**. Full details are available online:

<http://www.royalsocietyvictoria.org.au/awards-and-prizes/research-medal/> .

Nominations for RSV Membership

Nominations for membership of the Society have been received on behalf of:

Dr **Melanie Jane BIRTCHNELL**, Scientist: Botanist/Ecologist

Mr **Pedro Augusto FLORES TENORIO**, PhD Student

Ms **Erica Hei-Yuan CHAN**, Lawyer & Author

Mrs **Teresa Coral MITCHELL**, Managing Director & Consultant

Unless Members request a ballot, they will be considered for election by Council and if elected, will be announced at the Ordinary Meeting of the Royal Society of Victoria held on 12th May.

Recently elected members who have not yet signed the Society's membership book are invited to attend the 14th April meeting to be formally welcomed as members. Please inform the office if you plan to attend.

Pozible
Crowdfunding Creativity

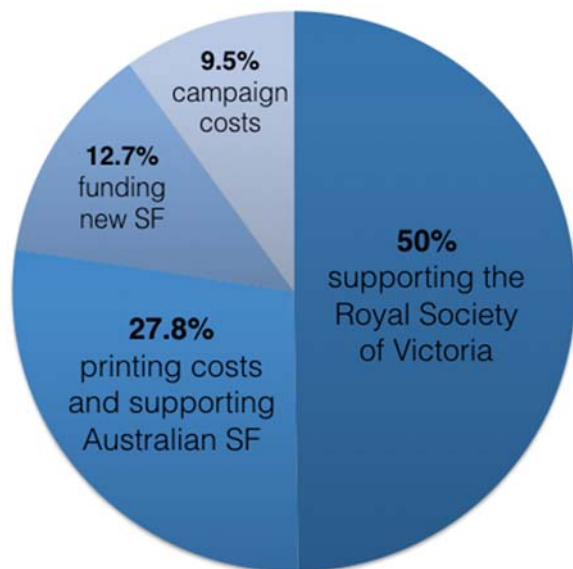
Fundraising Campaign: Science Fiction for Science



Talented emerging writer of science fiction and enterprising self-publisher Erica Chan (Lee S. Hawke) watched her friends compete for the RSV's **Young Scientist Research Prizes** last year and has now generously offered to **donate 50% of proceeds** from her current fundraising campaign towards our science education and

outreach programs, with the balance of funds raised supporting Erica's impressive writing and publishing efforts.

Our mutual goal is to raise \$4,000 together. I can personally recommend Lee S. Hawke's collection of "science fiction fairytales" in *Division*, a satisfying, frequently dystopian exploration of the human condition through post-human eyes. Importantly, the project helps the RSV extend its remit into the cultural sphere, where science contributes to the creativity and identity of our community as well as the vigour of our tribal disciplines and evidence-based policy.



In keeping with the Pozible model, different levels of giving attract different reward bundles – in this case, most are concerned with fantastic science fiction collections and collectibles (a copy of *The Martian* with personal message from Andy Weir anyone?), but also in the mix is a year's membership fees of the RSV! If you are yet to pay your 2016 fees, or would like to offset your 2017 membership subscription, this offers an attractive option to any RSV member who shares our love of science fiction.

For full details and to make a pledge to the campaign, please see the site at <http://www.pozible.com/project/204897>.

Mike Flattley

2016 RSV Council Election

We have received the report of the Returning Officer, Professor James Warren, and are pleased to announce the following have been elected as Ordinary Members of the Royal Society of Victoria Council, commencing from the Annual General Meeting to be held on 28th April 2016:

- **Ms Sophia-Louise Frentz**, Murdoch Children's Research Institute, The University of Melbourne
- **Associate Professor Gavin Smith**, College of Health & Biomedicine, Victoria University
- **Associate Professor Robert Day**, School of Biosciences, The University of Melbourne
- **Mr Andrew Davison**, Global Enterprise & Business Product Engineering, Telstra
- **Dr Kevin Orrman-Rossiter**, Research, Innovation & Commercial Engagement, The University of Melbourne

We are fortunate indeed to have such a high-calibre field of candidates this year and very much look forward to employing the talents of **Mr Viktor Perunicic** and **Mr Don Dunstan** in the business of our Committees, where much of the "thinking work" and practical matters are conducted. If members are interested in joining any of our committees and working groups, please contact Mike Flattley at the RSV Office to discuss your interests.

2016 Symposium: "Conserving Eucalypts"



18 March welcomed a capacity crowd of ecologists, environmental scientists, foresters, forest managers and environmentalists for a broad-ranging discussion on Australia's eucalypt woodlands and biota. Nine excellent speakers arranged the day nicely between themselves, orchestrating an unfolding story that began with the minutiae of phylogenetic diversity, where the introduction of more productive or "charismatic" species risk the preservation of evolutionary lineages specific to regional clades or areas, through to macro-scale consideration of how landscapes adopt, or respond, to spatial patterns. The risk and benefits of hybridisation were discussed, along with ideal methods for regeneration and reseedling in different circumstances, the rate of ecosystem loss from

human impacts and the vexed question of how and when to introduce fire, more enemy than friend to the modern era in our ever-escalating “arms race.”

The relevance of discussion to both ecological intervention and peak plantation productivity was plain, with a particular emphasis on helping the 700 eucalypt species adapt to a changing climate, particularly the 100 species indigenous to our environment here in Victoria. A hotter, drier climate creates a regime change in the character of eucalypt biota, exposing forests and woodlands to “landscape-scale mortality events.” Most sobering was the prospect of species decline in our own Central Highlands; with a 41% loss of ecologically irreplaceable “big old trees” since 1997, we are on the path to a cataclysmic 90% decline by 2035 from which it will be near impossible to recover. Another compelling case for the establishment of a protected Central Ranges National Park.

The day concluded on a celebratory note as the Bjarne K Dahl Trust announced RSV member Leon Costermans as their 2016 medallist, recognising Leon’s remarkable contributions to field guides and booklets aiding identification of eucalypt species in south eastern Australia (check your bookshelf) – a solid contribution to popular botany, not bad for a geologist! Congratulations Leon, a wonderful acknowledgement.



Leon Costermans, 2016 Bjarne K Dahl Medallist, presented by Dahl Trust Chair, Mrs Alison Teese OAM

Research Spotlight

By Priya Mohandoss

Stefan Vollgger

Monash University

Supervisor: Sandy Cruden

**2015 RSV Young Scientist Research Prize Winner
for the Earth Sciences**

**“Understanding the Relationship between
Deformation & Mineralisation – a 3D
Geological Modelling Approach”**



Geology PhD Graduated, Stefan Vollgger

Coming from Austria with a background in structural geology and 3D modelling, Stefan’s PhD research concentrated on studying two types of ore deposits, those that contained gold and those that were made up of copper, lead and zinc, with the main focus of exploring the migration of hydrothermal fluids, which run through the deformed rock structures of the crust of the Earth. These fluids carry metals and are physically trapped within the geological structures, such as is observed in gold ore deposits that bear the quartz veins of Victoria’s famous goldfields.

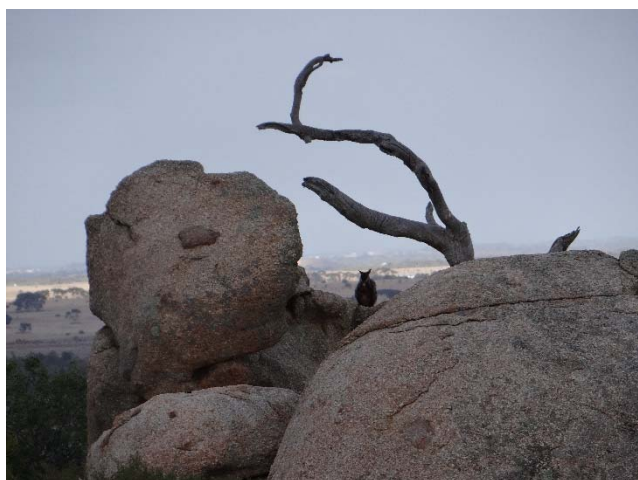
Understanding this formative process means the properties of the stress field present at the time of the structure’s formation can be estimated and, in turn, the geological and structural history of an ore deposit and its surrounding region can become known.

Stefan’s work is very applicable to the world’s sustainable mining industries in terms of exploration, as it provides them with the ability to identify favourable sites for mineralisation, thus identifying economic potential with expensive and environmentally disruptive exploration.

After finishing his PhD, Stefan is still interested in pursuing a career in his chosen field. He plans to

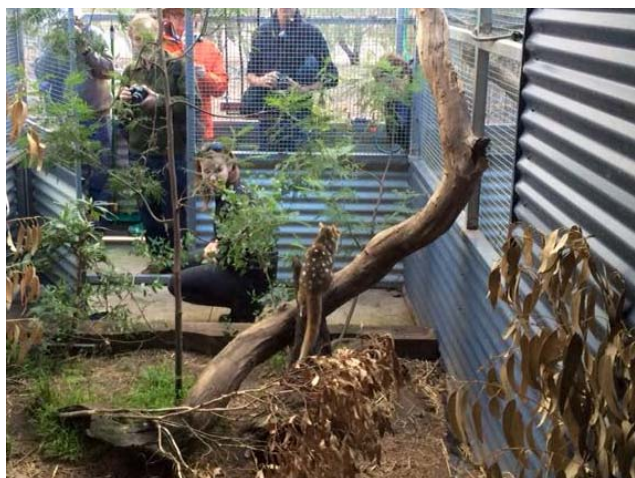
either complete a post-doctoral degree, or branch out and find an industry partner who is interested in expanding his research efforts, whether it be abroad or in Australia.

March Field Trip to Mt Rothwell



Brush-tailed Rock Wallaby (photo: Bernie Mace)

On 19 March 2016 the Royal Society of Victoria convened a field trip to the **Mt Rothwell Biodiversity Discovery Centre**, a 1,000-acre, privately-owned reserve held aside to offer protection to some of Victoria's most endangered species.



Annette Rypalski with Eastern Quoll

Nestled in to the north-eastern slopes of the You Yangs, Mt Rothwell is in a “double rain shadow,” meaning these dry soils offer very little scope for successful agricultural activity. Accordingly, the stunning indigenous eucalypt woodland ecosystem that has struggled valiantly into existence over many of thousands of years continues to endure with minimal disruption. This offers a perfect setting for the Centre's managers and volunteers to undertake their bold “rewilding” process with species once abundant in this neck of the woods, now driven to near or complete extinction on mainland Australia following the

introduction of feral cats, foxes, rabbits and (lest we forget) European humans.



Briefing from Annette Rypalski, Centre Manager

On arrival, Centre Manager Annette Rypalski showed us the eastern quolls (*Dasyurus viverrinus*) still resident in their captive breeding program. We were fortunate to see this elusive yet vivacious mesopredator close up. The quolls were extinct on the mainland and reintroduced from Tasmania in 2003.



Bill Birch with Nelly and Chilli

RSV President Dr Bill Birch is a long-time contributor to and volunteer with the Mt Rothwell program and introduced us to brother and sister dingoes Nelly and Chilli, who are being trained on the property to scent boundaries and ward off feral mesopredators like cats and foxes. Other dogs are trained to help protect the endangered species on site and provide excellent support to the increasingly effective rabbit eradication program.



E. melliodora



E. polyanthemos

A leisurely bushwalk offered ample opportunities to view some of the 'big old trees' canvassed with such enthusiasm at the previous day's symposium on "Conserving Eucalypts." It is increasingly rare to see such advanced specimens in rural settings, as the numerous dead or dying old 'stags' on surrounding agricultural lands attest. Mt Rothwell is particularly abundant in *E. melliodora* and *E. polyanthemos*, the former offering some stunning forms and beautiful bark colours and the latter prone to hugging the ground with its perennially 'adolescent' leaves.

The day walk also offered our lone sighting of the remarkably rare brush-tailed rock wallaby, at one time thought extinct but with small populations

surviving in isolated remnant Victorian wilderness. The breeding program at Mt Rothwell has been an outstanding success, but presents something of a challenge to species viability through in-breeding, so Centre managers are attempting a cross-breeding program with central Australian varieties to augment the gene pool.

Following a most enjoyable barbeque dinner, we embarked with our ice-creams on a spectacular, spot-lit night walk with our guide Nicole, where we were delighted to encounter eastern barred bandicoots (*Perameles gunnii* ssp. *gunnii*) in great abundance. Mt Rothwell is home to 85% of these rare animals on the mainland, having repopulated the area from Tasmanian stock in 2004. The recently publicised rewilding efforts of this species in the ACT drew stock from Mt Rothwell. Also present were a number of the docile rufous bettong (*Aepyprymnus rufescens*), regionally extinct in Victoria and reintroduced in 2002. A gentle climb to magnificent granite outcrops afforded a wonderful view of Melbourne's distant night skyline and the Grand Prix fireworks!

A wonderful way to spend an afternoon and evening together. Thanks in particular to Annette, Nicole and our President, Dr Bill Birch, for laying out a great program for us. Schools and organisations are warmly encouraged to book a tour by contacting the Centre: 0435 295 355 or at info@mtrothwell.com.au.

This is a unique and highly worthy rewilding program, actively combating regional extinction through private efforts. Mt Rothwell relies on volunteer and philanthropic support to operate. We encourage all who value Victoria's wilderness and remarkable native fauna to make a very worthwhile contribution at <http://mtrothwell.com.au/donate/>.

CONCORD and PROGRESS

Members' Forum: Setting Strategic Goals for the RSV

It was excellent to have a full, vibrant room to conduct our afternoon workshop on Thursday, 24 March – thanks to all who attended and worked so hard. With so much to work through, we were lucky to complete our gap analysis in two short hours! It was particularly pleasing to see industry placements and cross-disciplinary interactions forming a vigorous focus of discussion, along with a very promising emphasis on a nascent cultural program. The diversity and capacity of our

membership is a thing to behold, and it was clear we need to find opportunities for this to blossom through harnessing skills and structuring our volunteer programs. As ever, the question of resourcing is the main catch.



Future Focus in the Burke & Wills Room

We aim to capture these ideas and refocus our draft Strategy by the end of April, for presentation at the Annual General Meeting – please join us if you are able.



The Big Ideas Book Club

This month we explore a science-focussed cultural program through collaboration with our friends at **Embiggen Books** (197-203 Lt Lonsdale Street), who convene a wonderful monthly book club featuring science titles in both non-fiction and fiction with **George Aranda, Kirsty Andrews, Warren Bonett** and **Kirsty Bruce**.

Purchasing each month's book from Embiggen Books entitles participants to a 10% voucher for any other paperback in store when attending the Book Club. This is a free club – just read the book and come along!

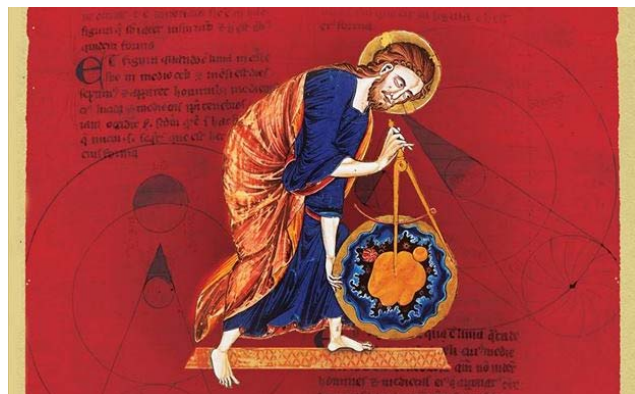
Where: *Embiggen Books*, 197-203 Lt Lonsdale Street (may upgrade to the larger Royal Society of Victoria venue, depending on numbers)

When: *Wednesday, 27 April, 2016 @ 6:30pm*

Bookings: Embiggen Books, 9662 2062 or events@embiggenbooks.com. You can also register to attend online at <http://www.meetup.com/Big-Ideas-Book-Club/events/229196289/>.

This month features “a powerful and thrilling narrative history, revealing the roots of modern science in the medieval world.” It is also a controversial read, being authored by a strong adherent to Catholicism and thus subject to claims of inherent bias in his interpretation of the historical role of the Church. Regardless, this book was shortlisted for the Royal Society (of

London's) Prize for Science Books in 2011 and remains an engaging work.



“God’s Philosophers – How the Medieval World Laid the Foundations of Modern Science” by James Hannam

The Blurp: “God's Philosophers” is a celebration of the forgotten scientific achievements of the Middle Ages - advances which were often made thanks to, rather than in spite of, the influence of Christianity and Islam. Decisive progress was also made in technology: spectacles and the mechanical clock, for instance, were both invented in thirteenth-century Europe. Charting an epic journey through six centuries of history, “God's Philosophers” brings back to light the discoveries of neglected geniuses like John Buridan, Nicole Oresme and Thomas Bradwardine, as well as putting into context the contributions of more familiar figures like Roger Bacon, William of Ockham and Saint Thomas Aquinas.

Science Writing, Communication & Media Training Workshops at the Royal Society of Victoria

As an institution dedicated to the promotion of science in Victoria, we are particularly delighted to be hosting a number of training programs this year concerned with arming our scientists and their communications colleagues with the skills required to navigate the complexities of popular media through clear and compelling communication of research stories. One has already passed us by in March and was heartily praised by our participants; the next is coming up in two weeks' time:

scienceinpublic

Media Training Workshops for Scientists

Tuesday, 19 April, 8.30am – 5.00pm

An excellent way to destigmatise and demystify the process of engaging with a wider audience through partnership with journalists and broadcasters, Science in Public offer a course designed to help you understand what the media needs to bring your work to life and tell your story accurately.

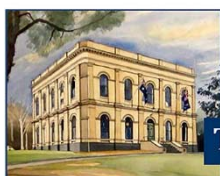


The Team from Science in Public

Complex science can be difficult to get across in the media. Journalists are looking for a ten second grab, while you're trying to explain years of research. Science in Public bring three working journalists from print, radio and TV in to work with you throughout the day so you can learn the skills needed to refine and present your messages, shape your narrative to suite different media and their audiences, and augment your ability to get real public impact with your story. The workshop will coach you through interview scenarios and techniques to help improve your performance.

Fees are \$880 per participant. Costs include morning tea, lunch, afternoon tea and hot beverages throughout! Contact Ellie Michaelidis at ellie@scienceinpublic.com.au or on 9398 1416 to reserve a place for **Tuesday, 19 April**. More information is available online at <http://www.scienceinpublic.com.au/training>.

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The Royal Society of Victoria

Science Writing and Outreach Training Workshop

Friday, 23 September and Friday, 30 September, 9.00am – 5.00pm

Acclaimed science-writer, journalist and broadcaster Peter Spinks, MA, will run a two-day science writing and outreach training workshop at

the Royal Society of Victoria **on September 23 and 30, 2016 (both Fridays)**.

This intensive course will benefit scientists, technologists and graduate students who will learn the essential skills and strategies needed to convey your work to the media, government, research grant bodies and the general public.



The workshop will cover fundamental principles and “rules of the journalism game”, with hands-on training in preparing articles, features, media releases and illustrative material for many outlets. Channels include in-house, local and international publications, and the digital media. In addition, the sessions will groom participants for science interviews by the print and broadcast media. Legal issues affecting researchers and the media will also be discussed.



Science Journalist Peter Spinks

Participants completing the course will have acquired a valuable skill set, including the confidence and media-savvy needed to liaise with journalists, project messages clearly and simply, and prepare successful media releases. Worked examples, reference materials and background notes will be provided. You will also receive a certificate of completion, endorsed by the Royal Society of Victoria.

Fees are \$880 per participant for the two days, with a discount of \$790 for RSV members. Further details and bookings are available online from <http://ow.ly/1028uA> or you can contact the RSV office on 9663 5259 and at rsv@sciencevictoria.org.au.



The Royal Society of Victoria

PROXY Form for Voting at the 2015 Annual General Meeting of THE ROYAL SOCIETY OF VICTORIA (INC)

In accordance with the Rules of the Society, financial Members of the Royal Society of Victoria Inc. may vote in person or by proxy. Rule 21 (1) requires notice of the appointment of a proxy, who is a member of the Society, to be given or sent to the Honorary Secretary at the Society's Office no later than **5.00 pm on 27th April 2016**, the day before the meeting, **which will be held at 6:00 pm on Thursday 28th April 2016** in the Society's Ellery Theatre.

To assist Members in lodging notice of the appointment of a proxy this form is provided.

I.....
(Block letters please)

being a Member of The Royal Society of Victoria Inc. appoint as my proxy

☐

The Chairman of the Meeting*

☐

*

.....
(Name of the Member who is to be proxy, block letters please)

*Please tick one box.

My instructions are to vote for / against (circle one for each motion)

If direction to vote 'For' or 'Against' is not provided, the Proxy is considered undirected and so may be used at the discretion of the nominated Proxy holder.

Moved: N. Williams Seconded: N. Kennedy **For / Against**
That in accordance with Rule 11 (4) (a) the Minutes of the 2014 Annual General Meeting held 23rd April 2015 as presented to Council be confirmed.

Moved: N. Williams Seconded: N. Kennedy **For / Against**
That the 2015 Annual Report (including the President's Report) of the Royal Society of Victoria be received in accordance with Rule 11 (4) (b) and (c).

Moved: N. Williams Seconded: N. Kennedy **For / Against**
That the 2015 Financial Report and Auditor's statement of the Royal Society of Victoria be received in accordance with Rule 11 (4) (b) and (d).

Moved: Mrs Nicola Williams Seconded: Mr David Zerman **For / Against**
That Mr Jonathan D. Madgwick BBus ACA be invited to accept the position of Honorary Auditor of the Royal Society of Victoria for 2016.

Signature

Date

Please return to:
The Honorary Secretary
The Royal Society of Victoria
8 La Trobe Street
Melbourne VIC 3000

To reach the Royal Society of Victoria office not later than 5.00pm on Wednesday 27th April, 2016



The Royal Society of Victoria

Ordinary Meetings & Lecture Schedule, 2016

Ellery Theatre, The Royal Society of Victoria, 8 La Trobe St, Melbourne

All lecture details and bookings are available online from:

<http://www.royalsocietyvictoria.org.au/lecture-program/>

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11 th February –	Professor Gary Egan, “Imaging the Living Brain in Health & Disease: MRI & PET Scanning”
25 th February –	Dr Marissa Parrott, “Threatened Species: Fighting Extinction”
10 th March –	Professor Sharon Lewin, “From the Beginning to the End of HIV: the Great Successes & Remaining Challenges”
24th March -	No lecture (Easter Break)
14 th April –	Professor Tiffany Walsh, “How does Nature do it? Unlocking High-Performance Natural Composites with Computers to Inspire New Materials”
28th April –	Annual General Meeting
12 th May –	Professor Matthew King, “Continental Loss: the Quest to Determine Antarctica’s Contribution to Sea-Level Rise”
26 th May –	Dr James Waghorne, “Science in the State’s Interest: the Victorian Precursors to CSIRO” (Joint RHSV Lecture)
9 th June –	Professor David Vaux, “Researchers Behaving Badly: Misconduct in Science”
23 rd June –	Dr Erin Matchan, “The Age of Volcanoes” (A W Howitt Lecture)
14 th July –	Dr Maria Forsyth, “Energy Storage for a Sustainable Environment” (Joint ATSE Lecture)
28 th July –	Dr Ian Polmear, Professor Max Lay, “Ripping Yarns: Tales from the Research Trenches” (lunchtime lecture)
11th August –	2016 Young Scientist Research Prizes (National Science Week)
25 th August –	Dr Linzi Wilson-Wilde, Forensic Science
8 th September –	Professor Jonathan Stone, “Alzheimer’s Disease: Is the Brain Destroyed by the Pulse?”
22 nd September –	Panel & Debate, “Future Melbourne: Population, Health, Resources & Infrastructure”
13 th October –	Professor Elisabetta Barberio, “The Hunt for Dark Matter: Stawell’s Underground Physics Lab”
27th October –	Phillip Law Postdoctoral Award for the Physical Sciences & Lecture
10th November –	Science Communication Graduate Prize & Lecture
21st November –	Very Young Scientists (Science Talent Search Bursary Recipients)
8th December –	RSV Research Medal Lecture & President’s Soiree