



# STAV VCE CONFERENCE SERIES contemporary science continuity and change

Friday 16 February 2024

## Physics

8:00am - 8:40am							Registrations   Community Expo Open   University of Melbourne, Parkville
8:50am - 9:00am							<b>PRESIDENT'S WELCOME:</b> Alexandra Abela, STAV President
9:00am - 9:05am							<b>ACKNOWLEDGEMENT OF COUNTRY:</b>
9:05am - 9:45am							<b>KEYNOTE ADDRESS:</b> A/Prof Duane Hamacher
9:45am - 10:25am							<b>KEYNOTE ADDRESS:</b> Michael Rosenbrock
10:25am - 11:00am							<b>MORNING TEA AND COMMUNITY EXPO</b>
11:00am - 11:45am							<b>MEET THE CHIEF ASSESSOR:</b>
11:45am - 12:30pm							<b>VCAA UPDATE:</b>
12:40pm - 1:25pm							<b>SESSION BLOCK A</b>
<b>Tying Indigenous sky knowledge into the VCE physics curriculum</b> A/Prof. Duane Hamacher & Stephanie Bernard	<b>Building knowledge in practice - developing metacognitive skills in physics</b> Michael Rosenbrock	<b>Literacy Strategies for Physics Students &amp; Classes</b> Catherine Bellair	<b>Utilising real-world context to improve enrolment numbers at VCE</b> Elizabeth Piacquadio	<b>Advice on implementing Units 3 and 4 for VCE Physics teachers</b> Christopher Dale	<b>Real Physics Experiments</b> Halid Takimoglu	<b>2024 SACs for Physics</b> Dr. Melissa Malige	
1:25pm - 2:20pm							<b>LUNCH BREAK AND COMMUNITY EXPO</b>
2:30pm - 3:15pm							<b>SESSION BLOCK B</b>
<b>SAC tasks – don't throw out the baby with the bath water</b> Maria James	<b>Using technology in your classroom</b> Michael Maslin & Zachary Cannon	<b>Investigating light with hand-built spectrosopes</b> Stephanie Bernard	<b>Australia's Hunt for Dark Matter</b> Jackie Bondell	<b>First Nations Science and Contemporary Science working together for a better future</b> Lisa Maloney	<b>Real Astronomical Data for Engaging Students</b> Robert Hollow	<b>Stories from CERN: Revealing our Experience and Takeaways</b> Jodie O'Connor & Matt Dodds	
3:25pm - 4:10pm							<b>SESSION BLOCK C</b>
<b>Solving Conceptual Problems in Physics</b> Yuriy Verkhaty	<b>Collective learning in the Physics classroom</b> Lisa Mililli, Jillian Forward & Adele Hudson	<b>IncludeHer in Physics -- reexamining the gendered presentation of physics in the VCE curriculum</b> Stephanie Bernard & Kat Ross	<b>(CONT) Australia's Hunt for Dark Matter</b> Jackie Bondell	<b>(CONT) First Nations Science and Contemporary Science working together for a better future</b> Lisa Maloney	<b>(CONT) Real Astronomical Data for Engaging Students</b> Robert Hollow	<b>(CONT) Stories from CERN: Revealing our Experience and Takeaways</b> Jodie O'Connor & Matt Dodds	
4.10pm							<b>Post-Conference Celebration and Networking</b>