

Technical Presentation:



Dennis Clair

Allirra Glassblowing Pty Ltd
TITLE: **“Phase Separation”**

“There is more to glass than meets the eye”

Dennis Clair graduated from Year 10 secondary school with a Junior Certificate in 1964.

After short tenures of employment which included changing light globes on the campus of The University of Western Australia and as a probation apprentice sterytyper at The West Australian Newspaper he was offered the position of glassblower assistant in the Chemistry Department at the University of Western Australia where he was employed for ten years to 1974.

During his scientific glassblowing training at The University of Western Australia he completed a Diploma of Applied Science (Chemistry) at Mount Lawley Technical College.

He changed employment with the opening of Murdoch University as the inaugural scientific glassblower in late 1974 and continued in that position until early February 1995.

It was then he moved full time into his own company Allirra Glassblowing Pty Ltd up to this present time.

Hermann Tietze SCHOTT Rohrglas TITLE: TBA

Detlef Kreke DURAN - Lab & Medica TITLE: TBA

Seminar Presenters Panel

Vacuum Society of Australia (normally 2 per course)

Don Swingler ex Senior Principal Research Officer CSIRO, holder of patents in vacuum related fields. Past IUVESTA delegate. Specialist in Mass Spectrometry design and research. Consultant to industry.

Kevin Lawlor VSA course co-ordinator. Contributor to American Vacuum Society vacuum course development. Production of interactive computer procedures for operation of pumping systems and leak detection techniques. Current IUVESTA delegate in vacuum science.

Dr Leo Cussen Present research in advanced neutron optics and current consulting activity using either McSTAS or VITESS for numerical simulations of problems in instrument design. Practical vacuum experience with ANSTO, Monash and Victoria Universities and overseas working in France and Berlin. Past President of VSA.

The Scientific Glassblowers Society of Australia and New Zealand

9th

AUSTRALASIAN SCIENTIFIC GLASSBLOWING SYMPOSIUM

Melbourne

Thurs 21st October - Sat 23rd October 2010





Official Opening

Keynote Speaker: Mr Ern Dawes

Managing Director SGE International

Ern Dawes was born in Melbourne in 1929. He attended Williamstown and University High Schools in Melbourne.

While studying at Melbourne University he had the opportunity to train under Mr H Kamphausen , a German Glass Master, in glass apparatus making and design.

After 5 years Ern joined ICI Central Research Laboratories and set up a glass shop producing laboratory and industrial glass equipment.

In 1966 he left ICI after 12 years and started Scientific Glass Engineering Pty Ltd , in a backyard garage, making small capacity micro syringes for use in the new field of Gas Chromatography.



Today SGE exports 98% of its instruments through a network of distributors and 10 SGE sales offices worldwide.

Keynote Presentation:

Katie Green

CSIRO Australia

Centre for Precision Optics

TITLE: "Silicon Spheres Part 2 -

What does the kilogram look like two years on"

Katie Green is the Materials and Fabrication Manager for CSIROs Australian Centre for Precision Optics.



Katie has been part of the ACPO team for the last 10 years after completing her honours degree in Chemistry from Finders University in South Australia.

Her current role is that of project manager and team leader for the many challenging and high precision optical fabrication projects that the ACPO team carry out at the CSIRO laboratories in Sydney.

Highlights of her time at CSIRO have included producing precision optical components for both NASA's Jet Propulsion Laboratory and their quest to detect earth like planets and for CalTechs LIGO project to detect gravitational waves.

Her team has also fabricated two of the roundest spheres in the world as part of the Avogadro Project.

Katie will present the latest work by the International Avogadro Consortium to redefine the kilogram using the Avogadro Silicon Spheres made by ACPO.

Technical Presentation:

Henk van den Bergen

Managing Director

Monash Scientific Glassblowing Services Pty Ltd.,

TITLE: "Innovation"

"Is there anything new in scientific glassblowing"?



- 1966 Started work at Fischer & Porter (an American firm in Clayton, Labglass division) managed at that time by Hans Lutchens who later established "Halu Glass"
- 1968 worked for Bartelt & Dean, ran at that time by Harald Bartelt of Bartelt Instruments today.
- 1999 Back at Fischer & Porter
- 1970 Monash University
- 1998 Monash Scientific Glass Blowing Services

Major achievements

Married to Vicki for 35 years

1997 - Completed a Wine Science Degree with Distinction at Charles Sturt University, Wagga Wagga

1998 - Won the Australian - Vin de Champagne Award - A competition based on knowledge and the tasting of Champagne.

2008 & 2010 – Finalist in the Australian Championship of Public Speaking

Keynote Presentation

Garry Wilkes

Emergency Medicine Specialist .

Bunbury District Hospital

TITLE: "Hydrofluoric Acid Burns- A Challenging Medical Condition"



Professor Garry Wilkes has appointments in Edith Cowan University and the Rural Clinical School of the University of WA. After completing his training in WA, he has worked

in a number of Emergency Departments around Australia before settling down in Bunbury as the first Emergency Medicine specialist in rural Western Australia.

Garry is a keen clinician, educator, author and researcher. He is a senior examiner for the Emergency Medicine College, has a number of print and on-line publications and teaches regularly throughout Australia and internationally.

However, his greatest joy is treating patients and finding new ways to improve patient care including a simple and effective way of treating Hydrofluoric Acid burns which has significantly changed the Emergency Department management of this unique condition.