



International Association of Colloid and Interface Scientists

Welcome to the IACIS Newsletter

In this newsletter you will find the following topics:

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- From your newsletter editor
- Showcase your publication
- 37th conference of European Colloid & Interface Society
- Australasian Colloid and Interface Symposium
- 9th Asian Conference on Colloid and Interface Science
- In Memoriam Lucassen-Reynders

[I prefer to read the pdf](#)



From the IACIS President



Welcome to the new style IACIS Newsletter, and thanks to our newsletter editor, A/Prof Saskia Lindhoud, for updating our newsletter and the new [IACIS website](#). Please take a few moments to browse and to acquaint (or re-acquaint) yourself with IACIS and our society's rich history.

The autumnal equinox recently passed here in the southern hemisphere and the days are growing noticeably shorter. This must mean that the north is coming into spring and summer, and with that comes conference season. When catching up with colleagues, I encourage you to remind them of the benefits and the low, low cost of [IACIS membership](#) – only ten US dollars, Euros, or British pounds a year with very flexible payment options. Joining now will take them through to IACIS2025 in Edmonton, where registration will include a further three years' membership. Early career researchers who are members will then be eligible for the next round of [IACIS Emerging Investigator Awards](#) thanks to the ongoing support of KAO Corporation.

This newsletter is intended to promote links and networking of our global membership, so it relies on your contributions. Please send items of interest for the next Newsletter to Saskia by June 15. I hope you find Hayden Robertson's showcase article on his ellipsometry analysis package interesting, and that it inspires you to [contribute your own work](#) to a future newsletter.

As always, please feel free to contact me or members of the Standing Committee or Council with any suggestions to grow and improve our IACIS.

Greg Warr

FROM YOUR NEWSLETTER EDITOR



New webpage, new Newsletter

As you might have noticed, the format of this Newsletter is different. The reason being that our website has moved to the University of Twente's server. This is the link to our new webpage: <https://www.utwente.nl/en/iacis/>.

Beginning of this year I received the Newsletter archive of Hans Lyklema. I have scanned all the newsletters in. Now the full IACIS newsletter archive, starting in 1978, is available on our website.

Please let me know if you have comments about the website and/ or Newsletter.

Also contact me with news that could be interesting for our members.

All the best,
Saskia Lindhoud

SHOWCASE YOUR PUBLICATION

During the pandemic there was a lack of opportunities for young scientists to present their work at international conferences. Therefore we started to invite PhD students to showcase recent publications in the IACIS Newsletter. We have decided to continue this Newsletter item, because it gives an opportunity for young scientists to explain their recent discoveries. The idea is to write a short text in which you explain about your PhD topic, your recent publication and why it is interesting for our community. Detailed guidelines can be found [here](#).

The aim is to include 2 or 3 showcase texts in each Newsletter, preferably from three

different continents. The next Newsletter will appear beginning of July, the deadline for submitting your showcase text is June 15.

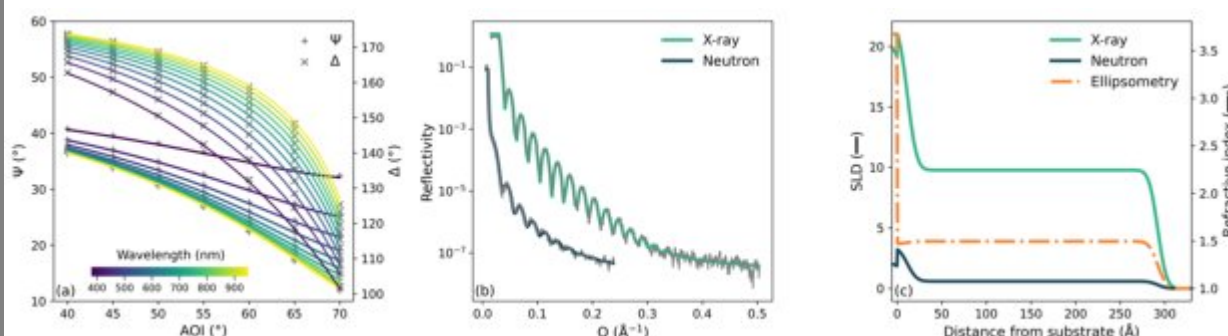
Your Newsletter Editor, Saskia Lindhoud

refellips: A Python package for the analysis of variable angle spectroscopic ellipsometry data

My name is Hayden Robertson and I am a PhD candidate at the University of Newcastle, Australia, supervised by Prof Erica Wanless and Prof Grant Webber, as well as Dr Andrew Nelson from the Australian Centre of Neutron Scattering, ANSTO. My research focuses on the behaviour of stimulus-responsive polymer brushes in complex environments (e.g., solvent mixtures or electrolyte mixtures) using advanced scattering techniques such as neutron reflectometry (NR), X-ray reflectometry (XRR), and spectroscopic ellipsometry.

As part of my project, I have co-developed analysis software, *refellips*, for the modelling of spectroscopic ellipsometry data. Many existing software packages for ellipsometry data analysis are not easily incorporated into data handling pipelines for reproducible research and are frequently tied to specific hardware. *refellips* is a solution to this; an open-source software package written in Python 3, designed to be used in a Jupyter notebook environment. The software assists users with all levels of ellipsometry data analysis. Of note, *refellips* is integrated with the popular NR and XRR software package, *refnx*. This integration enables both model sharing and the simultaneous fitting (i.e., co-refinement) of data across all platforms. The collaboration of these techniques enables better characterisation of complex interfaces in condensed matter films, as shown below for a polymer brush surface. Importantly, *refellips* readily allows batch processing of large ellipsometry datasets, such as areal maps of a surface, exploration of phase transitions in tethered polymer films and time series data. These ellipsometry results can then inform NR and XRR experiments and analysis.

The DOI for the full article is [10.1016/j.softx.2022.101225](https://doi.org/10.1016/j.softx.2022.101225) and the software can be found at <https://github.com/refnx/refellips>.



37TH ECIS CONFERENCE



37th conference of European Colloid & Interface Society

The 37th conference of European Colloid & Interface Society will take place from September 3-8 in Naples Italy.

[More information can be found on the conference website](#)

ACIS CONFERENCE 2024

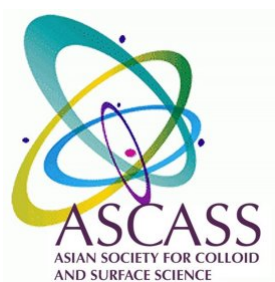


Save the Date:

The next Australasian Colloid and Interface Society (ACIS) conference will take place from 4-7 February 2024 in New South Wales so please plan your next visit Down Under around flying in to Sydney Airport in February 2024. Details coming soon so please follow us on Twitter:

[@Colloids_AusNZ](#) and LinkedIn: Australasian Colloids and Interface Society (ACIS)

9TH ASIAN CONFERENCE ON COLLOID AND INTERFACE SCIENCE 2023



Save the date:

December 12-15, 2023 the 9th Asian Conference on Colloid and Interface Science will take place in Hong Kong, China

[Link to conference website](#)

IN MEMORIAM EMMIE LUCASSEN-REYNDERS



In memoriam Emmie Lucassen-Reynders

Emmie Helena Reynders was born on 25th February 1935 in Vught in the province of Noord-Brabant, and she passed away on 27th January 2023, shortly before her 88th birthday. She belongs to the pioneers in surface thermodynamics and interfacial dilational visco-elasticity.



Emmie was known as a creative scientist with formidable intellect. During her PhD she worked on Pickering emulsions. Her later research focussed on protein and surfactant adsorption and dilational surface rheology.

She was a great example of a female combining excellent science and motherhood.

The complete obituary, written by Reinhard Miller, can be found following the link below.

[Link to complete obituary](#)

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