

**SOCIETY OF CRYSTALLOGRAPHERS IN AUSTRALIA AND NEW ZEALAND
SANDY MATHIESON MEDAL.**

For distinguished contributions to science involving X-ray, neutron or electron diffraction and/or imaging by a mid-career researcher.

Background

This award was established in 2012 in recognition of the significant contributions of Alexander ('Sandy') McLeod Mathieson to the field of X-ray crystallography in Australia. Sandy Mathieson is widely considered to be the 'father' of Australian X-ray crystallography, having contributed pioneering research on crystallographic methods, molecular structure determination and related instrument development. He joined the CSIRO in 1947 and was Chief Research Scientist in the CSIRO Division of Chemical Physics from 1965 to 1985. On retirement, he joined La Trobe University as an Honorary Professor of Chemistry. Sandy was appointed a Fellow of the Australian Academy of Science in 1967.

The Award

The medal shall be awarded approximately annually, and the successful candidate will be required to deliver a lecture at the SCANZ conference following the award. The award will consist of a medallion, free registration at the SCANZ conference at which they will receive the award, and \$1000 towards the expenses of attending the SCANZ Conference at which the award will be presented.

1. The Medal shall be awarded to a financial member of the Society who, in the opinion of the SCANZ Council or duly appointed representatives, has contributed most towards the development and/or application of a branch of science associated with X-ray, neutron or electron diffraction and/or imaging.
2. The award is based on the following selection criteria:
 - a. Consideration of the candidate's published scientific work. A major portion of the relevant scientific work must have been carried out while the candidate was a member of the Society.
 - b. The candidate's contribution to the scientific community.
 - c. The candidate's demonstration of qualities that are consistent with the SCANZ Code of Conduct (<https://www.crystal34.org/policies-1>).
3. Candidates with up to 15 years post-PhD research experience will be considered for the award. Career interruptions (including periods of part-time employment) should be detailed in the application form and performance relative to opportunity will form an integral part of the assessment of applications.
4. The applicant must have been a continuous member of SCANZ for the previous 5 years.

scanz.iucr.org

President: A/Prof. Megan Maher, University of Melbourne

megan.maher@unimelb.edu.au

Secretary: A/Prof David Turner, Monash University

scanz.secretary@gmail.com

Treasurer: Prof. Jack Clegg, University of Queensland

treasurer@scanz.org

Selection Process

To be considered for the award, candidates must provide their CV, a complete application form and the names and details of **two referees**. Final decisions are at the discretion of the assessor panel and the SCANZ Council, which reserves the right not to award one or more of the awards if there are no suitable candidates.

The referees are asked to provide written references addressing the selection criteria (point 2 above). The references should be e-mailed to secretary@scanz.org **by the closing date for applications (COB 31.10.2023)**.

Applications close COB 31.10.2023. Where possible, please combine the application form and supplementary material into one PDF file. Please send your application as an email attachment to secretary@scanz.org by the closing date.

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PART A - Applicant Details

Title		Surname	
Given Name(s)			
University / Research Institution			
Faculty/Department			
Address			
Telephone			
Email Address			

PART B - Application

B1. RESEARCH IN THE DEVELOPMENT AND/OR APPLICATION OF A BRANCH OF SCIENCE ASSOCIATED WITH X-RAY, NEUTRON OR ELECTRON DIFFRACTION AND/OR IMAGING

Provide a brief summary (**MAXIMUM 500 WORDS**) describing your research achievements in the development and/or application of a branch of science associated with X-ray, neutron or electron diffraction and/or imaging.

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B2. PUBLICATIONS IN THE DEVELOPMENT AND/OR APPLICATION OF A BRANCH OF SCIENCE ASSOCIATED WITH X-RAY, NEUTRON OR ELECTRON DIFFRACTION AND/OR IMAGING

List your **five career-best** publications associated with research into the development and/or application of a branch of science associated with X-ray, neutron or electron diffraction and/or imaging. Add a statement of a maximum of 50 words explaining and justifying the impact or significance of each research output.

B3. CONTRIBUTIONS TO THE COMMUNITY

Please detail your contributions to the scientific community (including, but not limited to SCANZ). This can include research supervision, mentoring and advice and other professional activities such as grant and peer review, University service and discipline contributions, identifiable benefits outside academia.

(MAXIMUM 200 WORDS).

B4. DEMONSTRATION OF VALUES CONSISTENT WITH THE SCANZ CODE OF CONDUCT

How have you demonstrated qualities consistent with the SCANZ Code of Conduct?

(MAXIMUM 100 WORDS).

PART C – Administrative Summary

C1. ACADEMIC RECORD

Please list the award courses in which you are enrolled or have been enrolled at a tertiary institution.

Name of institution	Name of degree/diploma (show level of honours where applicable)	Completion date (month and year)

C2. APPOINTMENT DETAILS

Year PhD awarded	
If applicable, total period of career interruption(s) (in years and months)	

C3. EMPLOYMENT TIMELINE

Please list in reverse chronological order your employment (including part-time) and career interruption history since the date your PhD was awarded. This should include all periods of interruption relevant to your application.

Time Period: (month/year – month/year)	Employment and interruption history: (include position title <i>or</i> type of career interruption)	Was employment research related: (Yes/No/NA)	Total period: (in months/ Years)	Full Time Equivalent

Are there any other aspects of your career or opportunities for research that have not been detailed elsewhere?

(Add more or delete rows as required.)

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PART D – Supplementary Material

Item	Material	Check box if enclosed
D1. Profile of research background	Please attach a max one (1) A4 page profile of your research activities, experience and strengths.	<input type="checkbox"/>
D2. Curriculum Vitae	Please attach a maximum two (2) A4 page curriculum vitae.	<input type="checkbox"/>
D3. Publication history	Please attach a document detailing published works, organised in the following categories: <ul style="list-style-type: none"> • Refereed journal articles (the date of acceptance should be provided for papers in press) • Reviews • Books • Chapters • Patents • Other publications. 	<input type="checkbox"/>

PART E – Declaration

E1. APPLICANT DECLARATION

I declare that the information I have given in this application is true to the best of my belief and I understand that the award may be withdrawn if false information is given.

Signature		Date	
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