

Subject: ISIS FAP results for round 23_1
Date: Friday, 6 January 2023 at 14:50:24 Greenwich Mean Time
From: isisuo@stfc.ac.uk
To: soran.birosca@port.ac.uk
Attachments: image001.png, image002.png



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Professor S Biroasca
University of Portsmouth, School of Mechanical and Design Engineering

Dear Professor Biroasca,

ISIS Beamtime Application - RB2310005

Title - *In-Situ investigation of Residual stress and Crystallographic Texture Evolutions of 17-4 PH Stainless Steel during High temperature Annealing*

Thank you for your ISIS Beamtime application. This has now been considered by the ISIS Facility Access Panel and I am pleased to inform you that your proposal has been successful. The following allocation will be made:

Instrument allocated: ENGIN-X; Time allocated: 4 days

The panel wishes to convey the following comments about the proposal to you:

There is a good case for neutrons and in situ measurements. The proposal would be stronger if accompanied by some ex-situ data on the selected printing strategies to confirm expected differences. It is unclear how the data would be generalised to other strategies (i.e. feed into mechanistic or predictive modelling). The reference sample, 5x5x5 mm, is too big to relieve the stress completely from the sample.

All ISIS experiments are allocated a Digital Object Identifier (DOI) which we would like to ask you to use in publications to cite the data. When referencing this experiment, please cite [doi:10.5286/ISIS.E.RB2310005](https://doi.org/10.5286/ISIS.E.RB2310005). You can find more information about how to use this DOI in our [guide on using ISIS Data DOIs](#). This DOI will not be activated until your experiment is scheduled so you will reach a 'DOI Not Found' page if you access it before then.

Experimental Reports:

Following completion of your experiment, we require an experimental report form to be filled in. We have recently revised the report forms. We expect reports to be completed within three months of an experiment. The report form is available from the ISIS website, and will also be emailed to you after the experiment. Future allocations of beamtime may depend on the receipt of experimental reports from completed experiments.

Your experiment will be scheduled in the period starting from March 1, 2023. Please contact your instrument scientist, Dr Tung Lik Lee (tung-lik.lee@stfc.ac.uk) to arrange

the dates of your experiment.

When your experiment has been scheduled you will receive a link to the Visitor Notification of Arrival online form which we require you to complete at least two weeks before arrival. When your experiment has been scheduled you will also receive a link to the Experiment Risk Assessment online form which you are required to complete.

Further information for users is available on our website: www.isis.stfc.ac.uk/user-office

The next proposal deadline for ISIS experiments can be found on the [ISIS call web page](#).

Yours sincerely,
Dr Emma Gozzard
ISIS User Programme Manager
Science and Technology Facilities Council

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