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* one printed soft bound copy of your thesis (this is for the University Library)
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## Part A: Research Student Declaration

*Research student should complete* ***online*** *before printing and signing*

### Covered Work

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I understand that my e-thesis requires the copyright statement (shown in italics below), to be included in the electronic version submitted; that the thesis templates on the Library [website](http://library.soton.ac.uk/thesis/templates) include this statement and, prior to final submission, I should check that my e-thesis contains this statement. If not, I should add it before creating the final pdf version and place it in front of the title page (see guidance on the [Library website](http://library.soton.ac.uk/thesis/templates)). Note: this is only a requirement for your e-thesis, the copyright statement is not required for the printed version of your thesis.

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When referring to this thesis and any accompanying data, full bibliographic details must be given, e.g.

Thesis: Author (Year of Submission) “Full thesis title”, University of Southampton, name of the University Faculty or School or Department, PhD Thesis, pagination.

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I understand that once the thesis and accompanying research data (if any) are deposited, a citation to both the thesis and research data will always remain visible.

I agree as follows:

that I have the authority to make this agreement, and to hereby give the University of Southampton the right to make the thesis and research data (if any) available in the way described above;

that any errors or omissions in the content of the thesis and research data (if any) will be my responsibility as the author;

that I have exercised reasonable care to ensure that the thesis is original, and to the best of my knowledge, neither it nor the research data (where deposited) infringe upon anyone’s rights, including copyright and related rights;

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that the thesis and research data (if any) do not include confidential information belonging to another individual or organisation or if it does then their written permission for its publication is attached to this permission.

|  |  |
| --- | --- |
| Print name: | Benjamin Cunningham |
| Signature: | A picture containing necklet, whip, insect, eyepatch  Description automatically generated |
| Date: | 16/06/2022 |
| Title of thesis: | Extending fatigue life of low-pressure FV566 turbine blades: efficacy of a lifetime extension strategy to extend service life |

## Part B: Preferred access to your thesis – research student request

# *To be completed by the Research student after discussion with their supervisor see* [*Guidance*](https://www.southampton.ac.uk/quality/pgr/research_degree_candidature/completion.page)

Theses may be subject to restriction only in exceptional circumstances when the relevant Faculty, on behalf of Senate, approves an embargo for a period not normally exceeding three years from the date of examination (see the [Regulations for Research Degrees](https://www.southampton.ac.uk/~assets/doc/calendar/RegulationsforResearchDegrees.pdf)).

### Access to thesis Tick ✓ access requested. Tick format as appropriate

|  |  |  |
| --- | --- | --- |
| **Access to thesis – No Embargo** | **Print** | **Electronic** |
| Thesis is available immediately |[x]  [x]  |
|  |
| **Access to thesis – Embargo requested (see Guidance)** |
| 1. Embargo – Commercial Contract.[i]
 |[ ] [ ]
| 1. Embargo – Patent Pending [i]
 |[ ] [ ]
| 1. Embargo – Ethical considerations/ data protection [ii]
 |[ ] [ ]
| 1. Embargo – Third Party Copyright.[iii]
 |[ ]
| 1. Embargo – Publication Pending.[iii]
 |[ ]
| 1. Embargo – Other
 |[ ]  [ ]  |
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1. Embargo is normally required on both the Print and Electronic versions
2. Embargo can be on both or electronic only
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4. Add dates for the embargo requested above:

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1. Add details in support of your embargo request.

*To be completed for* ***all*** *embargo requests above.*

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| --- |
| (Attach any supporting evidence. Note: Publication Pending is insufficient information):…………………………………………………………………………………………………………………….…………………………………………………………………………………………………………………….……………………………………………………………………………………………………………………. |[ ]

## Part C: Preferred access to your research data

*The Research Student and their Supervisor(s) should complete this section when the underpinning data are deposited (see* [*guide*](http://library.soton.ac.uk/thesis/data)*).*

*If there is* ***no data*** *underpinning the thesis complete section 6.*

*Data embargoes are not subject to the requirements of the* [*Regulations for Research Degrees*](https://www.southampton.ac.uk/~assets/doc/calendar/RegulationsforResearchDegrees.pdf)*. Where data can be shared (open or on request) a DOI can be assigned, but will only be registered once the data is final. Confirmation from the supervisor, that the data can be shared and any embargo requested is appropriate, is required and should be emailed to* *researchdata@soton.ac.uk**.*

*Where data cannot be shared a DOI cannot be provided.*

*If there are more than one dataset that underpins the thesis sections 1-4 should be copied and completed for each dataset. For datasets already published complete section 5.*

1. Title of dataset(s) underpinning PhD thesis

Dataset for Extending fatigue life of low-pressure FV566 turbine blades

DOI: <https://doi.org/10.5258/SOTON/D2263>

1. What access would you like to request for your research data? (please tick ✓))

|  |
| --- |
| Immediately available via the Institutional Repository |[x]
| Made available after an embargo period |[x]
| Data cannot be shared openly, but can be made available on request*For example, significant risk of re-identification, participant information sheet stated sharing with bone fide researchers only* |[ ]
| Data cannot be shared – permanent embargo*For example, commercial contract – do not own or have permission to re-share data* |[ ]
| Other |[ ]

1. If applicable, please add dates for the embargo you are requesting:

|  |  |  |  |
| --- | --- | --- | --- |
| Date from: |  | Date to: |  |

1. Why is it necessary to restrict access to your data? (please attach any supporting evidence):

…………………………………………………………………………………………………………………

…………………………………………………………………………………………………………………

5. Data already published: (List any data that has been published in support of articles, conference papers or posters *etc. that are derived from your thesis research. Include DOIs, Handle or URI)*

Title: [Dataset for Fatigue crack initiation and growth behaviour in a notch with periodic overloads in the LCF regime of FV566 ex-service steam turbine blade material](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=szObR6YAAAAJ&citation_for_view=szObR6YAAAAJ:roLk4NBRz8UC)

DOI/Handle/URI: doi:10.1111/ffe.13617

6. No datasets for deposit

|  |
| --- |
| There are no datasets underpinning this thesis for deposit |[ ]

If applicable please explain

…………………………………………………………………………………………………………………

## Part D: Preferred access – academic signatories

*(The main supervisor and, where appropriate, the Faculty Director of the Graduate School to sign, Student to complete name and title of thesis)*

|  |  |
| --- | --- |
| Student Name: | Benjamin Cunningham |
| Title of Thesis | Extending fatigue life of low-pressure FV566 turbine blades: efficacy of a lifetime extension strategy to extend service life |

### Main supervisor

I confirm the following:

There is no industrial or other individual/organisation whose permission is required prior to publication of this thesis and any supporting data on the institutional repository by virtue of their sponsoring or supporting the research, or

Where any industrial or other individual/organisation’s permission prior to publication is required then this has been obtained and a copy is attached to this permission.

The student’s preferred access for their thesis, research data (if any) and any embargoes requested are appropriate.

|  |  |
| --- | --- |
| Print name:  | Professor Philippa Reed |
| Signature: |  |
| Date: | 16/06/2022 |

### Faculty Director of the Graduate School

I confirm the student’s preferred access for their thesis, research data (if any) and any embargoes requested are appropriate.

|  |  |
| --- | --- |
| Print name: |  |
| Signature: |  |
| Date: |  |