



Technologies for  
Lightweight Structures



# ***Technologies for Lightweight Structures (TLS) – Review Guide***

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The following instructions are to serve as a quick-reference guide to Open Journal Systems (OJS) version 2.4.7. These instructions will give Reviewers of the journal *Technologies for Lightweight Structures (TLS)* a step-for-step description on the Review process that is specifically tailored to the journal.

For general, but more detailed instructions on any OJS issue, please use the following resources:

- OJS Documentation: [http://pkp.sfu.ca/ojs\\_documentation](http://pkp.sfu.ca/ojs_documentation). The “OJS in an Hour” Guide is particularly in-depth.
- OJS Support Forum: <http://forum.pkp.sfu.ca/>
- Online context-sensitive help, available as a “Journal Help” link in the upper-right corner of any OJS page.

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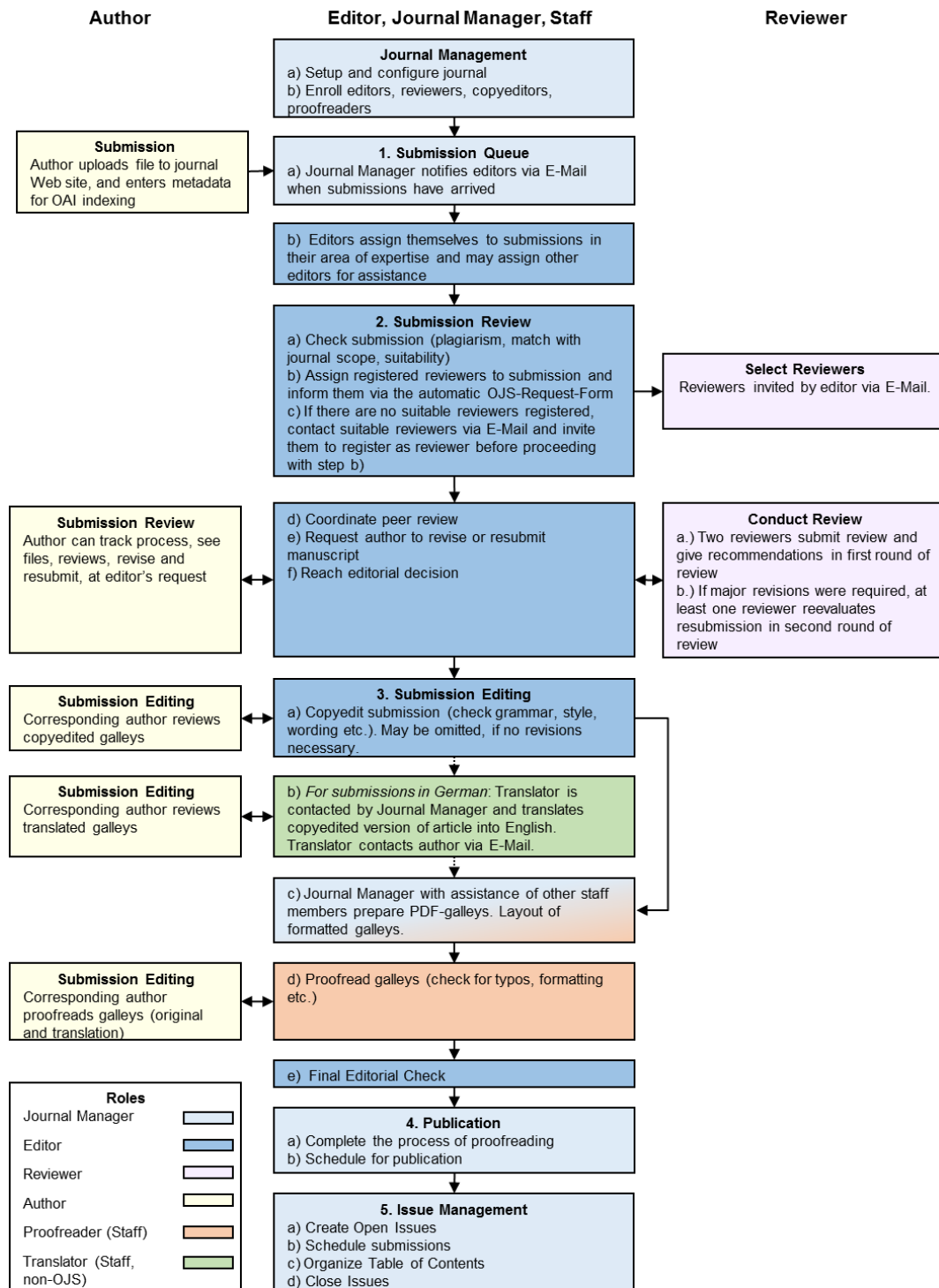


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## Editorial Workflow – *Technologies for Lightweight Structures*



Adapted Figure „OJS Workflow Chart“ in: OJS in an Hour. An Introduction to Open Journal Systems. Version 2.2.1.0;  
<http://pkp.sfu.ca/files/OJSinHour.pdf>; p. 12

**Figure 1: Editorial Workflow**



## Learn more

### Help Documentation

Open Journal Systems has a 12,000 word Help document that is contextually embedded within OJS, with the relevant pages coming up depending on where the user is when requesting Journal Help. Click on “Journal Help” in the bottom of the sidebar to enter the Help document.

### Test-Drive OJS 2.1.1

PKP hosts a demo version of the current OJS release at:

<http://pkp.sfu.ca/ojs/demo/present/index.php/demojournal/issue/current>

Log in using **admin** as the username and **testdrive** as the password, and select the Author role (or any other role) to explore how it operates.

Please note that any changes made to the Test-Drive Journal will be cleared every Monday (8:00 GMT).

## Review Process

You can indicate your willingness to act as a Peer Reviewer for *Technologies for Lightweight Structures (TLS)* by [registering with the journal](#) as a Reviewer. You may provide your bio and areas of expertise upon signing up.

From the pool of registered Reviewers, of subject matter experts from our Editorial Board, or through an external recruiting, Reviewers are selected by assigned Editors to review submissions. Reviewers are asked to submit reviews to our [website](#) and are able to upload attachments for the use of the Editor and Author.

If you have received and are willing to accept an e-mail invitation to review a submission for *Technologies for Lightweight Structures*, follow the step by step guide outlined below.

## Getting Started

- Follow the quick link (Submission URL) in the invitation mail which takes you directly to the “Review” page of the relevant submission;
- or
- log in to your OJS account under [www.lightweight-structures.de/login](http://www.lightweight-structures.de/login),
- select your role as “Reviewer” on the User Home page (Fig. 2). to get to your active submissions as Reviewer,
- on the “Active Submissions” page, click the title (note the due date and round of the Review) of the submission you want to review (Fig. 3)

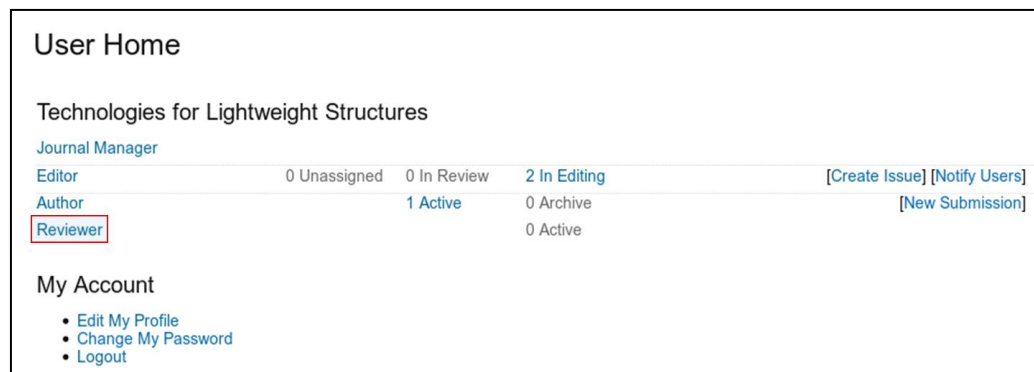


Figure 2: Link to Review page



Home > User > Reviewer > Active Submissions

### Active Submissions

ACTIVE ARCHIVE

ID	MM-DD ASSIGNED	SEC	TITLE	DUE	REVIEW ROUND
58	03-30	ART	COMPUTATIONAL MODELING OF POLYURETHANE FOAM EXPANSION FOR...	04-27	1

1 - 1 of 1 Items



Figure 3: Active submissions for Review

## First Round of Review

You are taken to the Review page of the submission where you can see some brief information about the submission and the Review schedule including the due date of the review (Fig. 4)

### #58 Review

#### Submission To Be Reviewed

Title	Computational Modeling of Polyurethane Foam Expansion for Lightweight Sandwich Structures
Journal Section	Articles
Abstract	Rigid polyurethane (PUR) foam is widely used in technical applications like isolation or construction, especially if weight saving plays an important role. In combination with warp-knitted spacer fabrics intrinsic sandwich layer constructions can be made, by filling the spacer fabric with the foam during reaction injection molding. For the forecast of foam expansion and filling of the mold the simulation of the process plays an important role. A novel experimentally motivated mathematical model capable of predicting the complex dynamics during PUR foam expansion is presented, focusing on the characterization of the PUR foam propagation in combination with measurement of temperature and viscosity behavior during expansion and curing. Determination of viscosity during foam expansion and curing is done with a coaxial oscillating rheometer in combination with temperature measurement and flow front observation. The foam growth phenomena are captured numerically using finite volume techniques such that the front of the flow is tracked with high resolution interface capturing schemes. Graphical representations of the foam volume fraction, evolution of foam heights as well as temperature distributions are presented and compared to experiments.
Submission Editor	GerritE KuehleE  GerritJM KuehleJM 
Submission Metadata	<a href="#">VIEW METADATA</a>

#### Review Schedule

Editor's Request	2016-03-30
Your Response	—
Review Submitted	—
Review Due	2016-04-27

Figure 4: Review page

Further down the Review page, you will see the 6 Review steps which need to be followed (Fig. 5).



### Review Steps

1. Notify the submission's editor as to whether you will undertake the review.  
Response [Will do the review](#) [Unable to do the review](#)
2. Click on file names to download and review (on screen or by printing) the files associated with this submission.  
Submission Manuscript [7-9-1-RV.PDF](#) 2016-09-02  
Supplementary File(s) None
3. Declare whether or not you have competing interests with regard to this research (see [CI POLICY](#)).
4. Click on icon to enter (or paste) your review of this submission.  
Review
5. In addition, you can upload files for the editor and/or author to consult.  
Uploaded files None  
 Keine Datei ausgewählt.
6. Select a recommendation and submit the review to complete the process. You must enter a review or upload a file before selecting a recommendation.  
Recommendation

Figure 5: Review Steps

**Step 1:** To accept the request, click the “Will do the Review” icon and send the email message that is generated (Fig. 6).

### Send Email

To

CC

BCC

☐ Send a copy of this message to my address (martin.bauschmann@bibliothek.tu-chemnitz.de)

Attachments  Keine Datei ausgewählt.

Subject

Body 

GerritE KuehleE:

I am able and willing to review the submission, "Computational Modeling of Polyurethane Foam Expansion for Lightweight Sandwich Structures," for Technologies for Lightweight Structures. Thank you for thinking of me, and I plan to have the review completed by its due date, 2016-04-27, if not before.

GerritJM KuehleJM

Figure 6: Accepting Review Request





To decline the request, click the “Unable to do the Review” icon and send the email message that is generated.

After you have sent (or skipped) the e-mail, your decision will be logged on the “Review” page as “Accepted”.

**Step 2:** Click the file name to download the submitted article for your review, as well as any supplementary files (Fig. 7).

2. Click on file names to download and review (on screen or by printing) the files associated with this submission.		
Submission Manuscript	58-158-1-RV.DOCX	2016-03-29
Supplementary File(s)	None	

**Figure 7: Download the submission for Review**

**Step 3:** Please disclose every possible conflict of interest in reviewing a manuscript by entering a short statement in the text box and clicking on “Save” below the box (Fig. 8). If you do not have competing interests, please enter the statement: “I have no competing interests to declare”.

3. Declare whether or not you have competing interests with regard to this research (see [CI POLICY](#)).

Save

**Figure 8: Review submission**

**Step 4:** To enter your review, click the document icon to the right of “Review” to record your review (Fig. 9).

4. Click on icon to enter (or paste) your review of this submission.

Review

**Figure 9: Review submission**

A Review Form will open for you to fill in (Fig. 10). When you have finished your review, select “Save”. You may return to this form and add additional information at anytime until your Review is submitted.



e) Clarity and Organization \*

☐ Excellent  
☐ Good  
☐ Acceptable  
☒ Unsuitable

f) Language and Style \*

☐ Excellent  
☐ Good  
☐ Acceptable  
☒ Unsuitable

Overall Rating \*

☐ Excellent  
☐ Good  
☐ Acceptable  
☒ Unsuitable

2. Comments to the Editor: \*

test

3. Comments to the Author(s)  
(Alternatively, you may upload a separate file – preferably the manuscript with your comments at the according lines – for the Author(s) to consult by using the "Upload files" tool under step 4 on the Review page)

Save Close

Figure 10: Review Form for first round of review

**Step 5:** If you wish to upload another file – preferably the manuscript with your comments at the according lines – for the Author(s) and/or the Editor(s) to consult, use the “Upload files” tool (Fig. 11).

**\*\*Important\*\*:** Please consult the linked information on “ensuring a blind review” under step 5.

In addition, you can upload files for the editor and/or author to consult.

Uploaded files None

Durchsuchen... Keine Datei ausgewählt. Upload

ENSURING A BLIND REVIEW

Figure 11: Upload file

**Step 6:** Select a recommendation from the dropdown menu (Fig. 12). You must have entered a review or uploaded a file before selecting a recommendation.

Your recommendation choices are:

1. Accept Submission
2. Minor Revisions Required (Likely accept)



3. Major Revisions Required (Likely accept)
4. Decline Submission

To conclude the review, click “Submit Review to Reviewer”.

Select a recommendation and submit the review to complete the process. You must enter a review or upload a file before selecting a recommendation.

Recommendation Choose One ▼ Submit Review To Editor

**Figure 12: Making a recommendation**

Upon submitting the review, you will be asked if you are sure you wish to continue. Once you have recorded the decision you won't be able to make any changes to this review, so use caution. (If for some reason you do need to make changes after you've clicked submit, you can contact the Editor overseeing the submission by using the e-mail icon on the Review page.)

At this point, an email message will also be provided, informing the Editor of the completion of your review.

## Second Round of Review

If Editors, on the grounds of Reviewer's recommendation, decide that an article has to be revised, the Author(s) have the opportunity to amend the article and resubmit it for a second Review. If major revisions were required, the revised version will be re-evaluated by at least one of the Reviewers.

In case the Editor invites you to a second round of review, you can begin the process again by accepting the request and proceeding with the next five steps (see description above).

**Note:** The only difference to the first round of review is that **no detailed Review Form** is used under step 4 of the process. Instead, the Reviewer is asked to assess whether the Author(s) have addressed all issues raised in the first round of Review in the **standard Review Form** with two open text boxes, the first "for author and editor," and the second "for editor" (Fig. 13).

Then, you may upload another commented file (step 5) and select a final recommendation from the dropdown menu (step 6) to conclude the Review process.



## Review

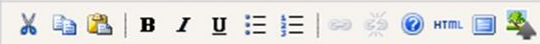
No Reviews

Subject

For author and editor

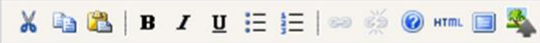
Computational Modeling of Polyurethane Foam Expai

The authors have adressed all the points raised in the initial review.



For editor

The authors have adressed all the points raised in the initial review.



Save

Close

\* Denotes required field

Figure 13: Review Form for second round of review