



XLS Overleaf training

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- Overleaf is an online LaTeX implementation allowing collaborative work
- Mendeley is an online reference management system allowing for collaborative working on a bibliography catalogue
- Our XLS templates are linked to the XLS Mendeley group and are importing automatically new references from Mendeley
- You need to make yourself an Overleaf and a Mendeley account!



The screenshot displays the Overleaf interface for a document titled 'XLS-D4.1-Template'. On the left, a 'Document tree' sidebar shows a file structure including 'bibliography', 'figures', 'include', 'report.tex', 'logos', 'heppennames2.sty', 'XLS.sty', 'XLS_biblatex.sty', 'XLS_definitions.sty', 'XLS_periodic_report_template.pdf', and 'XLS_template.tex'. The main editor area shows LaTeX source code with line numbers 23 to 67. The code includes package declarations, macros for XLS notes, title and subtitle settings, a license notice, document number, date, and author information. On the right, the 'Compiled document' is shown as a PDF page. The page header features the European Union logo and 'Funded by the European Union' text, followed by the 'Compact' logo. The document title 'XLS Deliverable D4.1' is prominently displayed in a yellow box, with the subtitle 'RF unit design' below it. The authors are listed as 'W. Wuensch¹, Initial. Name-2, Initial. Name-3, Initial. Name-4, Initial. Name-5, Initial. Name-6'. The page is dated '02 April 2019' and prepared on '02.04.2019'. A large 'DRAFT' watermark is visible across the page.

Document tree

LaTeX Editor

Compiled document



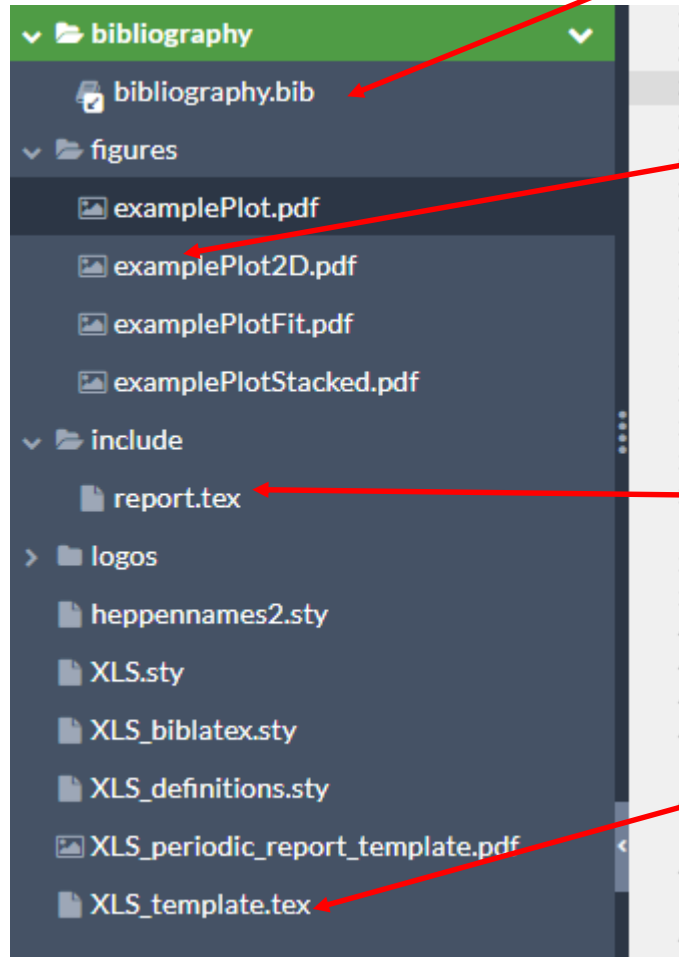
.bib file is the bibliography catalogue
(synchronized with Mendeley)

Folder for figures (preferably .pdf
format but also .png)

.tex files. These files are for the
actual text.

Main .tex file. Here authors, title and
abstract are specified

All the rest are support files and
should not be touched...





The screenshot shows the Mendeley library interface. The top navigation bar includes 'Feed', 'Library', 'Suggest', 'Groups', 'Datasets', 'Careers', 'Funding', and 'Markus MA'. The 'Library' tab is highlighted. The left sidebar shows 'MY LIBRARY' and 'GROUPS'. Under 'GROUPS', the 'XLS' group is highlighted. The main area displays a list of references with checkboxes, titles, authors, and dates. The 'XLS' group is circled in red in the original image.

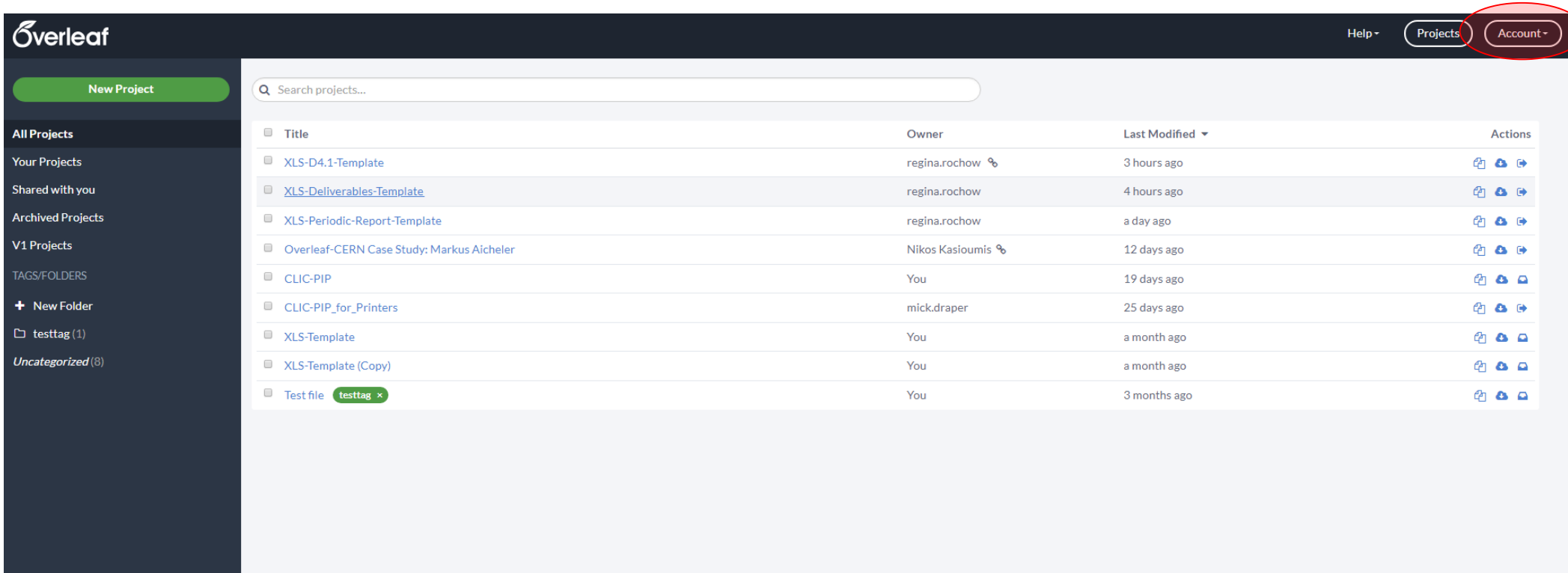
Reference Title	Author(s)	Date
Influence of grain orientation on evolution of surface features in fatigued polycrystalline copper: A comparison of thermal and uniaxial mechanical fatigue results	Aichele M in Journal of Physics: Conference Series (2010)	28 Mar
Effects of rf breakdown on the beam in the Compact Linear Collider prototype accelerator structure	Palais A, Jacewicz M, Ruber R, et. al. (2013)	27 Mar
A Multi-TeV Linear Collider Based on CLIC Technology: CLIC Conceptual Design Report	CERN, Aichele M in SLAC Report (2001)	22 Mar
Observation of a new particle in the search for the Standard Model Higgs boson with the ATLAS detector at the LHC	Aad G, others in Phys.Lett. (2012)	12/12/18
Physics potential of the top Yukawa coupling measurement at a 1.4 TeV Compact Linear Collider using the CLIC SiD detector	Redford S, Roloff P, Vogel M (2014)	12/12/18
The Higgs hunter's guide	Gunion J, Dawson S, Haber H, et. al. (1989)	12/12/18
Observation of a new boson at a mass of 125 GeV with the CMS experiment at the LHC	Chatrchyan S, others in Phys.Lett. (2012)	12/12/18
The Crossing angle in CLIC	Schulte D, Zimmermann F in 19th IEEE Particle Accelerator Conference (2001)	12/12/18
LCIO		12/12/18
Introduction to elementary particles	Griffiths D (2008)	12/12/18
CLIC Conceptual Design Report: Physics and Detectors at CLIC (2012)		12/12/18
Broken Symmetries and the Masses of Gauge Bosons	Higgs P in Phys.Rev.Lett. (1964)	12/12/18

For easier working use the desktop client!




























Added references are first added only to “my library”. You need to share them with the XLS group!



Go to account settings



The screenshot shows the Overleaf web interface. In the top right corner, there are three menu items: 'Help -', 'Projects', and 'Account -'. The 'Account -' menu item is circled in red, indicating the target for the instruction. Below the navigation bar, there is a search bar and a table of projects.

Title	Owner	Last Modified	Actions
XLS-D4.1-Template	regina.rochow	3 hours ago	  
XLS-Deliverables-Template	regina.rochow	4 hours ago	  
XLS-Periodic-Report-Template	regina.rochow	a day ago	  
Overleaf-CERN Case Study: Markus Aicheler	Nikos Kasioumis	12 days ago	  
CLIC-PIP	You	19 days ago	  
CLIC-PIP_for_Printers	mick.draper	25 days ago	  
XLS-Template	You	a month ago	  
XLS-Template (Copy)	You	a month ago	  
Test file testtag	You	3 months ago	  



GitHub Integration

With GitHub Sync you can link your Overleaf projects to GitHub repositories. Create new commits from Overleaf, and merge with commits made offline or in GitHub.

You need to authorise Overleaf to access your GitHub account to allow us to sync your projects.

[Link to your GitHub account](#)

Mendeley Integration

With Mendeley integration you can import your references from mendeley into your Overleaf projects

[Link to Mendeley](#)

Zotero Integration.

With Zotero integration you can import your references from zotero into your Overleaf projects.

[Link to Zotero](#)

Overleaf Beta Program

[Manage Beta Program Membership](#)

After that you are asked
your credentials and you
are good!



Some key numbers:

- # of references in Mendeley: 412!
- # of WP deliverables written in Overleaf 6 (out of 7)
- # of members in XLS-Mendeley group: 17

Known problems:

- Only the person who linked the .bib file in overleaf can refresh it
- Mendeley -> Overleaf changes keys (found a work around: now key is only "AuthorYear" e.g. Latina1989)



Personal remarks:

- Overall the Overleaf & Mendeley combo is quite powerful and well recieved.
- Very good start into this process and now (most) people are familiar with the workflow
- There is still a tiny room for improvement ;-)



Thank you!

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