

ISML Site Documentation

1. Making and hosting a website repository:

The host of the website must first make a Github account.

1.1 Steps to making a website repository and publishing it:

- In your Github account, click on Repositories -> New.
- Make a new repository according to this very specific format: "*accountName*.github.io", with *accountName* being the name of your Github account.
- Once the repository is created, the website's files (html, css, etc) can be created/copied to it. A specific html file called "index.html" must exist, it will be marked by Github as the main webpage.
- Once all html files are in place, the site can be published. Set a repo public through: Settings -> General -> Danger Zone: Change visibility (Change repository visibility) -> Public.

2. Accessing source code for updates and maintenance:

The host automatically has access to website's files for maintenance. For others to get edit access, they must be added as collaborators. A collaborator must have a Github account.

2.1 Instructions for the host to add collaborators:

- Log into your Github account.
- Go to the repository that contains the site's html files.
- Add people through: Settings -> Collaborators -> Add people.
- The repository might need to be set to public for collaborators to see it and edit it. Check the instructions above to set repo visibility to public.

2.2 Instructions for collaborators to access and edit site files:


- You must have a Github account and be added as collaborator first.
- As a collaborator, navigate to the host's Github account page. It would have the format: "https://github.com/*hostAccountName*", *hostAccountName* would be the host's Github name.
- Within the host's Github page, click to open the repository with the site's files, where you have been added as collaborator. The repository name would have this format: "*hostAccountName*.github.io".
- Within the repo, you can then click on a file, such as "index.html" to see the source code.
- Method 1 of editing a page: you could edit directly in the browser, click the edit symbol, which looks like a pen. After editing, you can click commit changes to finalize the edit. You can also click cancel.
- Method 2 of editing a page: you can create an offline html page and replace the online one with the newly created html. First, make an html file on your computer. Copy and paste the code into the offline html file. Once your html file is edited, rename the offline html file to match the online one, then upload the offline one to replace the online one.
- Changes to the codes take time to show up on the webpage, around 5-10 minutes.
- To view the website and associated changes, type in the website address (this is not the Github repo). The website address is set by the site's host. The site's address has a very specific format: "https://*hostAccountName*.github.io/". The current site's address is: "https://emplhoward.github.io/".

3. Updating Common Elements in all Pages:

Each page has some common elements, such as the header, side bar, and footer. Here are instructions to edit them on each page. They are not all updated together, because in the future some pages may require different logos and different options in the side bar. Updates to these elements should be carried out on all pages separately.

3.1 Updating the header:

- Example of header visual:

 Athabasca University	
Intelligent Systems and Machine Learning	
ISML Home	Description
Researchers	An intelligent system (IS) is a tool that operates in a real world, possesses primary cognitive abilities such as perception, action control, reasoning, or language use, and exhibits intelligent behavior supported by abilities such as rationality, adaptation through learning, or the ability to explain the use of its knowledge by introspection. Currently there is strong industrial demand for people who understand intelligent systems technology and know how to apply it to real-world problems.
Students	
Current Projects	Intelligent systems are poised to fill a growing number of roles in today's society, including factory automation, field and service robotics, assistive robotics, military applications, medical care, education, and intelligent transportation. The emergence
Recent	

- Within the page's html file, use control + F to find <div class="header">.

```
<div class="header">
  <h1>
    <img src= "Img/AU_Logo_Horiz.jpg" class="img_Standalone_Small">
    Intelligent Systems and Machine Learning
  </h1>
</div>
```

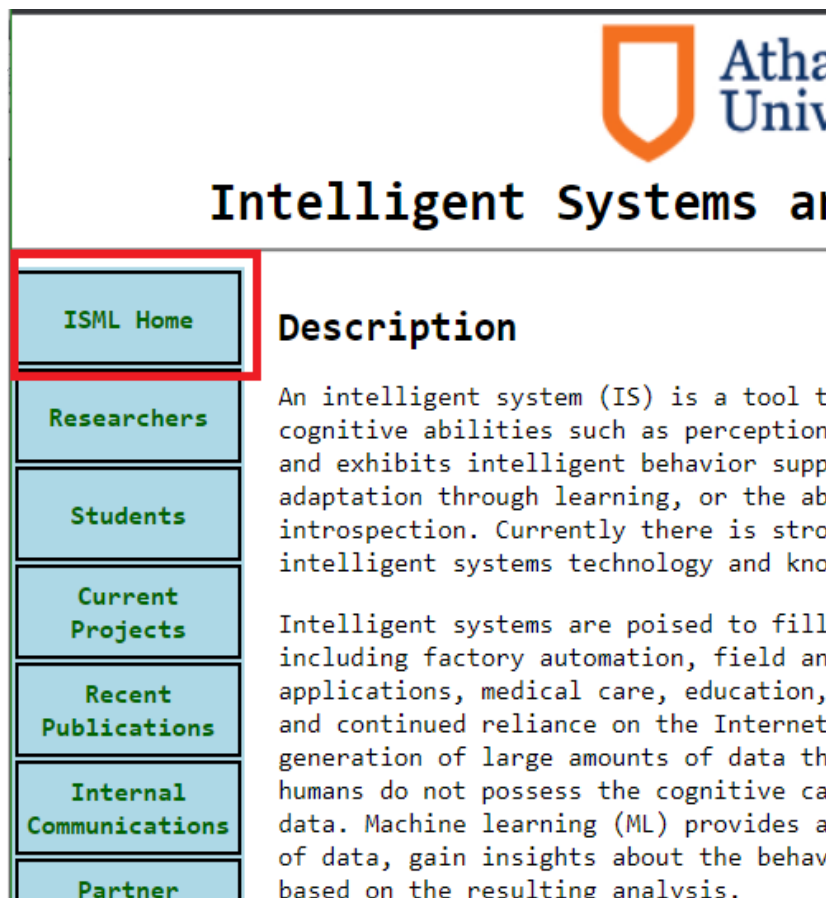
- Change "Img/AU_Logo_Horiz.jpg" if you want to specify a new image file.
- Change the white title "Intelligent Systems and Machine Learning" if needed.


3.2 Updating the side bar:

- Within the page's html file, use control + F to find `<div class="sideBar">`.

```
<div class="sideBar">
  <div class="sideBarBackground">
    <table class="tableDiv_100">
      <tr>
        <th>
          <a href="index.html"> <div class="a_Background"> ISML Home </div> </a>
        </th>
      </tr>
      <tr>
        <th>
          <a href="ISML_Researchers.html"> <div class="a_Background"> Researchers </div> </a>
        </th>
      </tr>
    </table>
  </div>
</div>
```

- `<table class="tableDiv_100">` represents the side bar, implemented as a table.
- Each row of the table is represented by the block contained within `<tr> ... </tr>`. To erase a row, delete everything in the block `<tr> ... </tr>`, including `<tr>` `</tr>`. To add a row, use the same format and type in the block `<tr> ... </tr>`.
- Example of row content: `` represents the link of a side bar row, **ISML Home** is the text in the row. Example of side bar and specified row:



 Intelligent Systems and...	
ISML Home	Description
Researchers	An intelligent system (IS) is a tool that has cognitive abilities such as perception and exhibits intelligent behavior supported by adaptation through learning, or the ability of introspection. Currently there is strong intelligent systems technology and knowledge.
Students	
Current Projects	Intelligent systems are poised to fill the gaps in including factory automation, field applications, medical care, education, and continued reliance on the Internet generation of large amounts of data that humans do not possess the cognitive capabilities to handle. Machine learning (ML) provides a way to process data, gain insights about the behavior based on the resulting analysis.
Recent Publications	
Internal Communications	
Partner	

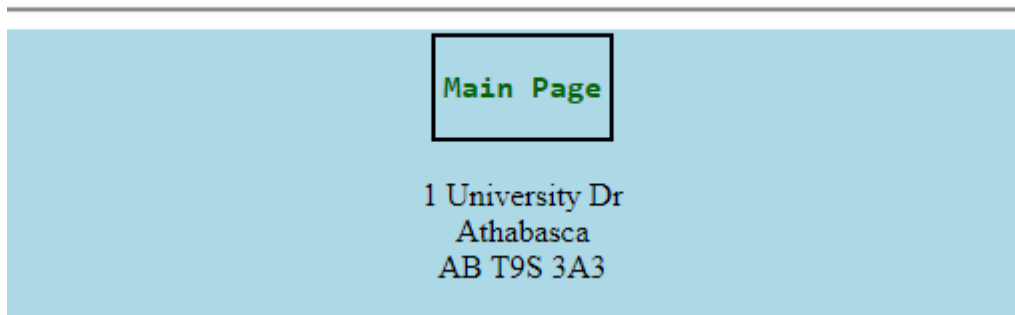
3.3 Updating the footer:

- Within the page's html file, use control + F to find `<div class="footer">`.

```
<!-- Footer: -->
<div class="footer">
  <div class="tableDiv_10">
    <table>
      <tr>
        <th>
          <a href="index.html"> <div class="a_Background"> Main Page </div> </a>
        </th>
      </tr>
    </table>
  </div>

  <p>
    1 University Dr <br>
    Athabasca <br>
    AB T9S 3A3 <br>
  </p>
</div> <!-- End Footer: -->
```

- `<table class="tableDiv_10">` represents the footer button, implemented as a table row.
- Example of footer content: `` represents the link of the footer button **Main Page** is the text in the row. Footer visual:




4. Updating Contents for ISML Home Page:

The ISML home page is described with the file "index.html". There is the body text and a video.

4.1 Updating the body text:

- Use control + F to find `<div class="pageContent">`.
- Under various heading block contained in `<h2> ... </h2>` elements, you can make the changes to the text. You can type out the text in a text editor, then copy and paste them inside each `<p> ... </p>` element.

 Athabasca University	
Intelligent Systems and Machine Learning	
ISML Home	Description An intelligent system (IS) is a tool that operates in a real world, possesses primary cognitive abilities such as perception, action control, reasoning, or language use, and exhibits intelligent behavior supported by abilities such as rationality, adaptation through learning, or the ability to explain the use of its knowledge by introspection. Currently there is strong industrial demand for people who understand intelligent systems technology and know how to apply it to real-world problems.
Researchers	
Students	
Current Projects	Intelligent systems are poised to fill a growing number of roles in today's society, including factory automation, field and service robotics, assistive robotics, military applications, medical care, education, and intelligent transportation. The emergence and continued reliance on the Internet and related technologies has resulted in the generation of large amounts of data that can be made available for analyses. However humans do not possess the cognitive capabilities to understand such large amounts of data. Machine learning (ML) provides a mechanism for humans to process large amounts of data, gain insights about the behavior of the data, and make more informed decisions based on the resulting analysis.
Recent Publications	
Internal Communications	
Partnerships	
	Vision The ISML cluster of FST seeks to provide a collaborative and supportive research environment for faculty and students in undergraduate and master programs and to create an environment for learner-focused approach of the teaching to equip our students with advanced ISML research and development techniques.
	Goal <ul style="list-style-type: none">• Building a community of practice among faculty and students interested in intelligent systems and machine learning.• Fostering partnerships with IS or ML experts within and outside of the university.• Developing strength in the areas of IS and ML to generate and apply practice-based research.• Ensuring students have a strong foundation in IS and ML theory and practice.

```
<div class="pageContent">
  <!-- Page Text -->
  <div class="paragraph_PageContent">
    <h2> Description </h2>
    <p>
      An intelligent system (IS) is a tool that operates in a real world, possesses primary cognitive abilities such as perception, action control, reasoning, or language use, and exhibits intelligent behavior supported by abilities such as rationality, adaptation through learning, or the ability to explain the use of its knowledge by introspection. Currently there is strong industrial demand for people who understand intelligent systems technology and know how to apply it to real-world problems.
    </p>
    <p>
      Intelligent systems are poised to fill a growing number of roles in today's society, including factory automation, field and service robotics, assistive robotics, military applications, medical care, education, and intelligent transportation. The emergence and continued reliance on the Internet and related technologies has resulted in the generation of large amounts of data that can be made available for analyses. However humans do not possess the cognitive capabilities to understand such large amounts of data. Machine learning (ML) provides a mechanism for humans to process large amounts of data, gain insights about the behavior of the data, and make more informed decisions based on the resulting analysis.
    </p>
    <h2> Vision </h2>
    <p>
      The ISML cluster of FST seeks to provide a collaborative and supportive research environment for faculty and students in undergraduate and master programs and to create an environment for learner-focused approach of the teaching to equip our students with advanced ISML research and development techniques.
    </p>
    <h2> Goal </h2>
    <ul>
      <li>
        Building a community of practice among faculty and students interested in intelligent systems and machine learning.
      </li>
      <li>
        Fostering partnerships with IS or ML experts within and outside of the university.
      </li>
      <li>
        Developing strength in the areas of IS and ML to generate and apply practice-based research.
      </li>
      <li>
        Ensuring students have a strong foundation in IS and ML theory and practice.
      </li>
      <li>
        Building infrastructure for IS and ML research, including developing the new ISML research and development techniques.
      </li>
    </ul>
  </div>
</div>
```

4.2 Updating the embedded video:

- Use control + F to find `<video width="320" height="240" controls>`.
- The block representing the video is highlighted below. If the video is to be removed, take out the block, but be careful not to remove any other `</div>`.

```
<!-- Video: -->
<p> <h2> Ipsum Vid </h2> </p>
<div>
  <video width="320" height="240" controls>
    <source src="Video/RobotSampleVid.mp4" type="video/mp4">
    Your browser does not support the video tag.
  </video>
</div>
<!-- End video block. -->
</div>
```

- The element `<source src="Video/RobotSampleVid.mp4" type="video/mp4">` references the file path of the video and type of video. The file path and type can be changed accordingly. Make sure the video is in the repository, under the Video folder.

5. Updating Contents for Researchers:

The page for researchers is described with "IMSL_Researchers.html".

The visual table containing researcher photos and links are implemented with multiple <table> elements. This allows each row to be resized properly.

5.1 Updating the researcher table:

- Use control + F to find <div class="pageContent">. This contains all the <table> elements making up the visual table.
- Example of the table can be seen below:

```
<div class="pageContent">
  <div class="tableDiv_100">
    <!-- Table 1 -->
    <table>
      <tr>
        <td>
          <div> <a href="https://www.linkedin.com/in/alideuan/?originalSubdomain=ca" target="_blank"> 
          <div> <a href="https://www.linkedin.com/in/alideuan/?originalSubdomain=ca" target="_blank"> Ali Dewan </div>
        </td>
        <td>
          <div> <a href="https://www.linkedin.com/in/bob-heller-9a11b935/?originalSubdomain=ca" target="_blank"> 
          <div> <a href="https://www.linkedin.com/in/bob-heller-9a11b935/?originalSubdomain=ca" target="_blank"> Bob Heller </div>
        </td>
        <td>
          <div> <a href="http://dunweiw.athabascau.ca/" target="_blank"> 
          <div> <a href="http://dunweiw.athabascau.ca/" target="_blank"> Dunwei Wen </div>
        </td>
        <td>
          <div> <a href="https://www.linkedin.com/in/glenfarrelly/?originalSubdomain=ca" target="_blank"> 
          <div> <a href="https://www.linkedin.com/in/glenfarrelly/?originalSubdomain=ca" target="_blank"> Glen Farrelly </div>
        </td>
        <td>
          <div> <a href="https://www.linkedin.com/in/harris-wang-083a8444/?originalSubdomain=ca" target="_blank"> 
          <div> <a href="https://www.linkedin.com/in/harris-wang-083a8444/?originalSubdomain=ca" target="_blank"> Harris Wang </div>
        </td>
      </tr>
    </table>
    <!-- Table 2 -->
    <table>
      <tr>
        <td>
          <div> <a href="http://cldd.athabascau.ca/joincommunity/hyan.php" target="_blank"> 
          <div> <a href="http://cldd.athabascau.ca/joincommunity/hyan.php" target="_blank"> Hongxin Yan </div>
        </td>
        <td>
          <div> <a href="http://cldd.athabascau.ca/joincommunity/hyan.php" target="_blank"> 
          <div> <a href="http://cldd.athabascau.ca/joincommunity/hyan.php" target="_blank"> Joe Cox </div>
        </td>
        <td>
          <div> <a href="http://cldd.athabascau.ca/joincommunity/hyan.php" target="_blank"> 
          <div> <a href="http://cldd.athabascau.ca/joincommunity/hyan.php" target="_blank"> Junye Wang </div>
        </td>
        <td>
          <div> <a href="http://cldd.athabascau.ca/joincommunity/hyan.php" target="_blank"> 
          <div> <a href="http://cldd.athabascau.ca/joincommunity/hyan.php" target="_blank"> Larbi Esmahi </div>
        </td>
        <td>
          <div> <a href="http://cldd.athabascau.ca/joincommunity/hyan.php" target="_blank"> 
          <div> <a href="http://cldd.athabascau.ca/joincommunity/hyan.php" target="_blank"> Maiga Chang </div>
        </td>
      </tr>
    </table>
    <!-- Table 3 -->
    <table>
      <tr>
        <td>
          <div> <a href="http://cldd.athabascau.ca/joincommunity/hyan.php" target="_blank"> 
          <div> <a href="http://cldd.athabascau.ca/joincommunity/hyan.php" target="_blank"> Oscar Lin </div>
        </td>
        <td>
          <div> <a href="http://cldd.athabascau.ca/joincommunity/hyan.php" target="_blank"> 
          <div> <a href="http://cldd.athabascau.ca/joincommunity/hyan.php" target="_blank"> Qing Tan </div>
        </td>
        <td>
          <div> <a href="http://cldd.athabascau.ca/joincommunity/hyan.php" target="_blank"> 
          <div> <a href="http://cldd.athabascau.ca/joincommunity/hyan.php" target="_blank"> Richard Huntrods </div>
        </td>
        <td>
          <div> <a href="http://cldd.athabascau.ca/joincommunity/hyan.php" target="_blank"> 
          <div> <a href="http://cldd.athabascau.ca/joincommunity/hyan.php" target="_blank"> Sabine Graf </div>
        </td>
        <td>
          <div> <a href="http://cldd.athabascau.ca/joincommunity/hyan.php" target="_blank"> 
          <div> <a href="http://cldd.athabascau.ca/joincommunity/hyan.php" target="_blank"> Shawn Levenza </div>
        </td>
      </tr>
    </table>
  </div>
</div>
```

- To delete a whole table row, simply delete a block under the <!-- Table x --> comment and nested inside the <table> ... </table> element; delete the tag <table> and </table> as well. The <hr> tag should also be deleted when a table is taken out, otherwise there would be duplicate break lines.
- To add a table, use the <table> element and use a similar format and structure.
- Each researcher photo and link is nested within a <td> element. To change a researcher photo, look for "<img src=..."; also change the link in "<a href=..." preceding the image reference. To change a researcher name, look for "<div class='a_Background'> Researcher Name </div>"; also change the link in "<a href=..." preceding the researcher's name.

6. Updating Contents for Students:

The page for students is described with "IMSL_Students.html".

The visual table containing student names and links are implemented with multiple <table> elements. This allows each row to be resized properly.

6.1 Updating the student table:

- Use control + F to find <div class="pageContent">. This contains all the <table> elements making up the visual table.
- Example of the table can be seen below:

Abdi Yussuf	Arta Farahmand	Arunima Roy	Blake Krause	Brad Payne
Celine Grisdal	Charles Biron	Chris Cameron	Dustin Lebel	Earl Sellar
Janie Gilbert	Jashan Judge	Jean-Francois Verhaegen	Jennifer Hart Hubbard	Joseph Bolstad
Justice Brinston	Karen Fletcher	Karen Lam	Keith Stack	Kishan Komaravolu
Leo Howard	Michael Brooks	Michael Vinogradov	Miran Nevesinjac	Mona Worku
Ndaba Nkomo	Peter Iyamu	Ryan Leadbeater	Spencer Young	Supun De Silva
Tolu Amadi	Tom Carey	Tony Liu	Victoria I	Vladimir Deller

Wes Sauder

Main Page

- To delete a whole table row, delete the block nested inside the <table> ... </table> element; delete the tag <table> and </table> as well. The <hr> tag should also be deleted when a table is taken out, otherwise there would be duplicate break lines.
- To add a table, use the <table> element and use a similar format and structure.
- Each student name and email link is nested under a <th> element. An example of a student element: First Last . mailto:person@athabasca.edu can be changed to specify any email addresses. First Last can be changed to reflect the person's name.

7. Updating Contents for Current Projects:

This page is described with "ISML_CurrentProjects.html".

7.1 Updating the content paragraph:

- Use control + F to find `<div class="paragraph_PageContent">`.
- Change the content nested within the `<p> ... </p>` block.

8. Updating Contents for Recent Publications:

This page is described with "ISML_RecentPublications.html".

8.1 Updating the content paragraph:

- Use control + F to find `<div class="paragraph_PageContent">`.
- Change the content nested within the `<p> ... </p>` block.

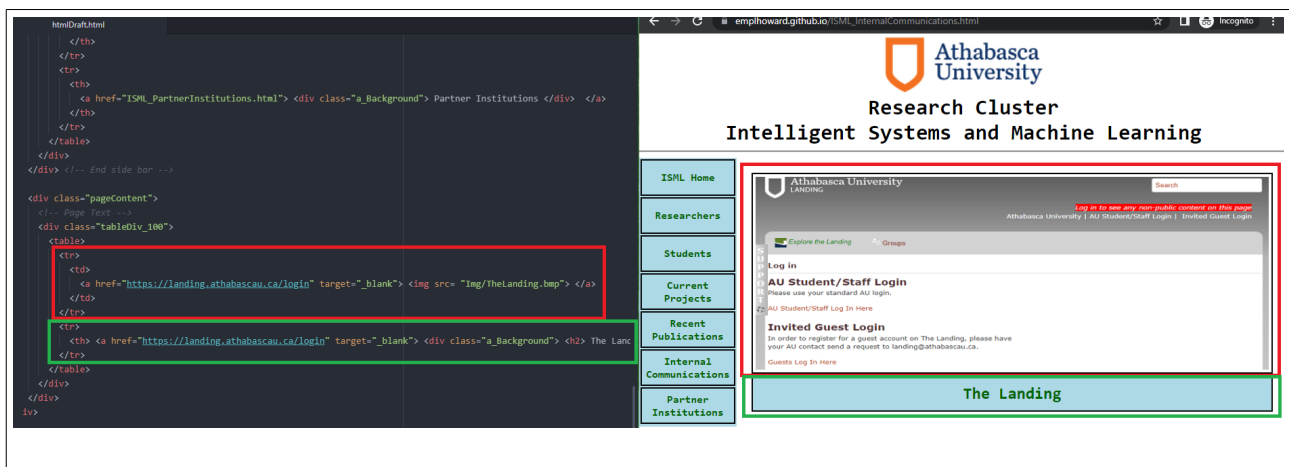
9. Updating Contents for Internal Communications:

This page is described with "ISML_InternalCommunications.html".

Each channel for internal communication are implemented with the <table> element.

Updating the table:

- Use control + F to find <div class="pageContent">, which contains the content. Within this, you will find the table nested in <div class="tableDiv_100">.
- A <table> element will have 2 rows, represented by 2 blocks of <tr>. The first <tr> contains the channel images; each channel's image is contained in a <td> block. The second <tr> contains the channel names; the name of a channel is described in a <th> block. A visual example is described below. The red highlights the <tr> containing a channel image, while the green highlights the <tr> containing the channel name.



- To delete a channel, you delete the <td> in the first row and the matching <th> in the second row. Make sure the first row matches the second row.
- To add a channel, you add a <td> in the first row for the image, and a <th> in the second row for the name. Make sure the first row matches the second row.
- To change the photo of a channel, look for "<img src=..."; also change the link in "<a href=..." preceding the image reference.
- To change the name of a channel, look for "<div class='\"a_Background\"> Link Name </div>"; also change the link in "<a href=..." preceding the name.

10. Updating Contents for Partner Institutions:

This is described with "ISML_PartnerInstitutions.html".

ISML_PartnerInstitutions.html is implemented in the same manner as ISML_InternalCommunications.html. Please check section 9.