Uploading and Publishing New Tools

George Howlett
Purdue University
Why not just downloads?

1. Source code bundles
   Hello, I am grad student from Kazakhstan. Your tool not compile for me. I get errors. That’s a not very nice.
   Hey, can you help me?

2. Pre-compiled binaries
   It doesn’t work on my machine!
   New version… Reinstall

32-bit
64-bit
### Table 1: Overview

<table>
<thead>
<tr>
<th>Item</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contributions:</td>
<td>21</td>
</tr>
<tr>
<td>Total Simulation Users Served:</td>
<td>11,061</td>
</tr>
<tr>
<td>Rank by Contributions:</td>
<td>24 / 806</td>
</tr>
<tr>
<td>First Contribution:</td>
<td>14 Sep 2004</td>
</tr>
<tr>
<td>Last Contribution:</td>
<td>12 Jul 2010</td>
</tr>
<tr>
<td>Citations on Contributions:</td>
<td>62</td>
</tr>
</tbody>
</table>

Dr. McLennan was an Architect at Cadence Design Systems, where he developed the SimVision visualization and debugging environment for NC-Sim. He is currently a
Start the upload process
Tool registration form

alpha123

Nice Tool Name

1.2.3a

It does this…

Who can run it

Who can access code

Who can access wiki

Team members
Tool development process

User

Contributing form

waiting for…

Hub managers

Registered

Created

Uploaded

Installed

Updated

Approved

Published

Retired

https://yourhub.org/tools

Hub managers create a project area for your tool

- Wiki for project documentation
- Subversion source code control
- Code change history
Your project area

Buttons to access project functions:
- Wiki documentation
- Source code
- Timeline of changes

NOTE: You may have to log in to see some buttons
Once logged in, you can edit wiki pages.

Edited wiki page:

== What is CNTbands? ==

CNTbands is a Matlab script that computes $E(k)$ for a carbon nanotube. It uses a simple model that treats the nanotube as a rolled-up graphene sheet with tight binding approach and assumes a single $\pi$ orbital per carbon atom. In addition to this, it also computes some basic parameters of the nanotube.

Visit the [CNTbands website](https://www.nanohub.org/simulation_tools/cntbands) for more information.
Wiki mark-up

== Overview ==

The tool "CNTbands" has many features:

* Simulate nano-ribbons
* Simulate nanotubes
  * with simple "Pz-orbital model"
  * with "Extended Huckel Theory"

Visit this tool on [http://www.nanohub.org nanoHUB]

To build this tool:

```bash
%% cd /apps/cntbands-ext/current/src
%% make all
%% make install
```
Linking wiki pages

CNTbands v2.0

Overview

The tool CNTbands has many features:

- Simulate nano-ribbons
- Simulate nanotubes
  - with simple Pz-orbital model
  - with Extended Huckel Theory

See [NewPage](#) for more information.

Visit this tool on [http://www.nanohub.org](http://www.nanohub.org).

To build this tool:

Click on any link? to create that page:
What’s happening?
We are waiting for You

Once your source code has been uploaded into your project area, click here to let us know:

► My code has been uploaded

Remaining steps before we can publish your tool:

☑ Register your tool on the nanoHUB.org

☐ Upload your source code I've done this

► Make the page that describes your tool. Create this page...

☐ Test and approve your tool

☐ Publish your tool so that others can see it on the nanoHUB.org
Edit your tool information page

This is the page that people see when they find your tool on the hub.
Know where you stand
Edit your tool settings

Source Code Access: REQUIRED

- Restricted to development team
- Open source (anyone can access code)

Development team: REQUIRED

mmclennan, mmh
Putting out Open Source

/*
 *====================================================================
 * AUTHOR:  Michael McLennan
 * Copyright (c) 2011  Purdue University
 *
 * See the file "license.terms" for information on
 * usage and redistribution of this file, and for a
 * DISCLAIMER OF ALL WARRANTIES.
 *====================================================================
 */
...

www.opensource.org

launch tool

Version 2.3 - published on 18 Dec 2009
DOI: 10254/nanohub-r1838.5 cite this
Open source: license | download
Uploading your code

Upload your code into a hub workspace. Compile, test, and commit changes back to your Subversion repository.
Uploading your code

Tool status page:
http://yourhub.org/contribtool

We are waiting for You

Once your source code has been uploaded into your project area, click here to let us know:

» My code has been uploaded

Remaining steps before we can publish your tool:

✓ Register your tool on the nanoHUB.org

☐ Upload your source code I've done this

» Make the page that describes your tool. Create this page...

☐ Test and approve your tool

☐ Publish your tool so that others can see it on the nanoHUB.org
Testing your tool

What's next?

Your latest code is installed and ready on your site. Please test your tool by clicking the button below to ensure that everything is working properly, as well as reviewing the page describing your tool to enter the correct information.

- Test your application: 
  - Launch tool
- Review the page describing your tool

We are waiting for You

Once you tested your tool and verified that it is working properly, click here to let us know:

- My tool is working properly. I approve it.

Need to make changes? Once you’ve checked in your latest fixes, click here to let us know:

- I’ve fixed my code. Please install the latest updates.
Testing your tool

What's next?

Your latest code is installed and ready on nanoHUB.org. Please test your tool by clicking the button below to make sure that everything is working properly, as well as verify that the page describing your tool is created and displays correct information:

- Test your application:
  - Launch tool

- Review the page describing your tool

We are waiting for You

Once you tested your tool and verified that it is working properly, click here to let us know:

- My tool is working properly. I approve it.

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- I've fixed my code. Please install the latest updates.
Need help?

What's next?

Your latest code is installed and ready on nanoHUB.org. Please test your tool by clicking the button below to make sure that everything is working properly, as well as verify that the page describing your tool is created and displays correct information:

- Test your application:
  - Launch tool
- Review the page describing your tool

We are waiting for You

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- I've fixed my code. Please install the latest updates.

Don't send email!
Use the web interface to communicate

Message goes to the whole team, and is stored in the history.
Testing your tool—again

What's next?

Your latest code is installed and ready on your tool. Please test your tool by clicking the button to ensure that everything is working properly, as well as to ensure that the page describing your tool is correct information.

* Test your application: Launch tool
* Review the page describing your tool

We are waiting for You

Once you tested your tool and verified that it is working properly, click here to let us know:

* My tool is working properly. I approve it.

Need to make changes? Once you’ve checked in your latest fixes, click here to let us know:

* I’ve fixed my code. Please install the latest updates.
Last step…

Hub managers…
- Take one last look
- Make sure that the tool works
- Check the tool information page
- Then, publish your tool
Your tool is published

If you want to make changes...

Your options:

- I've made changes Please install the latest updates
Updating your tool

Contribution form

waiting for…

User

Hub managers

Registered

Created

Uploaded

Installed

Updated

Approved

Published

Retired

Re-install your tool

You approve it

One last look

Your changes are published
Became a Contributor

Don’t let your code gather dust on the shelf. Get it out there!

Upload your own:
• Tools
• Tutorials