



NeuroImaging-Platform (NIMG-PF)
User Manual

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1. About NIMG-PF

1.1. What is NIMG-PF?

The Neuroimaging-Platform (NIMG-PF) is a database system for sharing various relevant data about neuroimaging on the Internet. You can access the NIMG-PF at this URL:

<http://platform.nimg.neuroinf.jp/>

Since NIMG-PF is created based on XoonIps^{*1}, it has three key characteristics:

▶ **Flexibility of database format**

NIMG-PF is constructed based on a content management systems (CMS^{*2}) called “XOOPS,” so it permits easy design change and extension of functions. Therefore, even those are not familiar with the system can set up the database.

▶ **Variety and extendibility of data handled by database**

XoonIps already has stored data forms in its standard configuration, and it is equipped with an extension function for handling new data forms, so it is capable of handling large datasets.

▶ **Distribution function for meta-information**

Since a standard protocol called OAI-PMH (Open Archives Initiative Protocol for Metadata Harvesting)^{*3} is implemented in the NIMG-PF, metadata in the system have interchangeability with the database system in OAI-PMH.

*1 For more, please see <http://xoonips.sourceforge.jp/manuals/usersman-ja/index.html>

*2 This is the generic name for a system that comprehensively manages digital data, both text and images.

*3 Here, meta-information is exchanged through automatic data collection.

1.2. User of the system and user rights

▶ **Moderator**

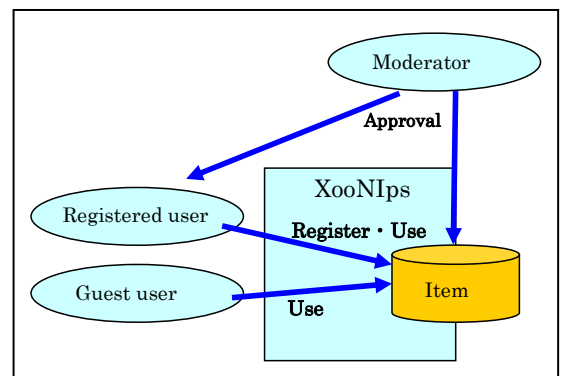
The moderator is the manager who sets up NIMG-PF. He or she manages registered users, evaluates the registration of items in disclosure areas, and makes decisions regarding the approval and withdrawal of items for registration.

▶ **Registered user**

A user registration is approved by the moderator to allow access to NIMG-PF. The registered user can register items and manage the registered items. He or she can also join groups with approval.

▶ **Guest user**

The guest user is someone who has not registered or logged in. He or she is allowed to browse the items registered in the disclosure domain and download those items to which access is allowed.

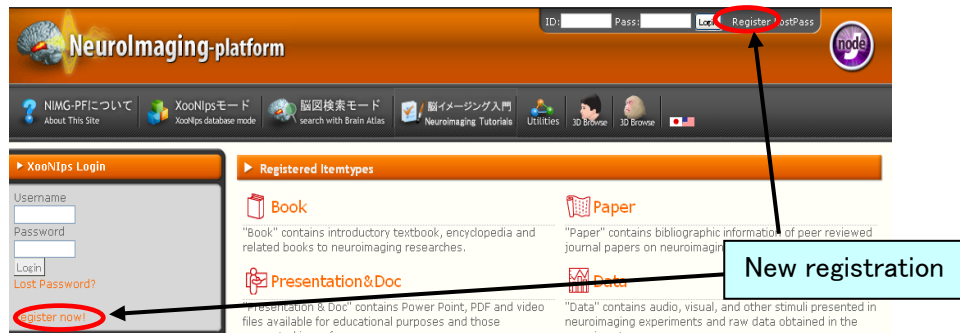


2. Before using NIMG-PF

2.1. User registration

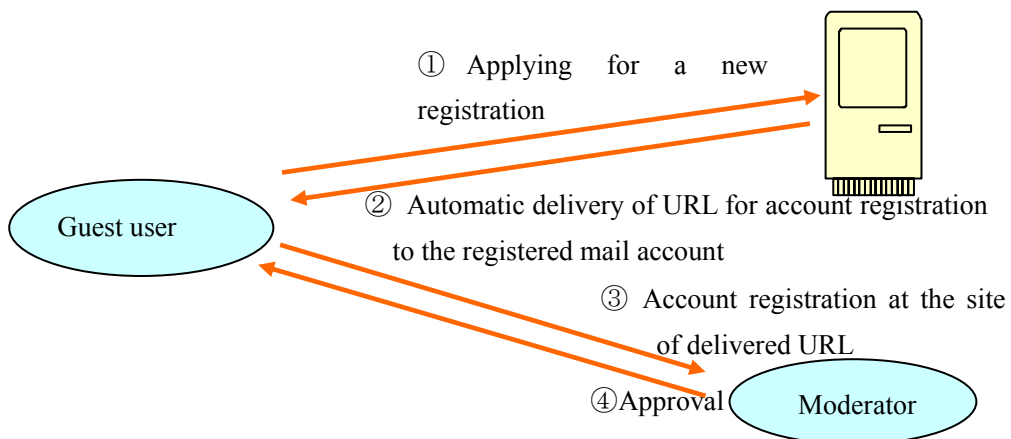
In NIMG-PF, a guest user is able to access a certain amount of data. However, the guest is not able to register items or access the items that are accessible only by registered users. To become a registered user, it is necessary to apply for an account and receive approval from the moderator.

First, select “Register (new registration)” at the top of the main page and input all of the necessary items marked with an asterisk (*) in the application account windows in English. Then submit the application form. Also, be sure to input “None” in the section for affiliation if you are not affiliated with any institution such as a school or company.



► **Registration procedure**

In order to prevent spoofing, there are two application stages. After sending in the first application, the URL of the official registration site will be sent to you automatically by e-mail. Please register at the site, after which the moderator will evaluate your application.



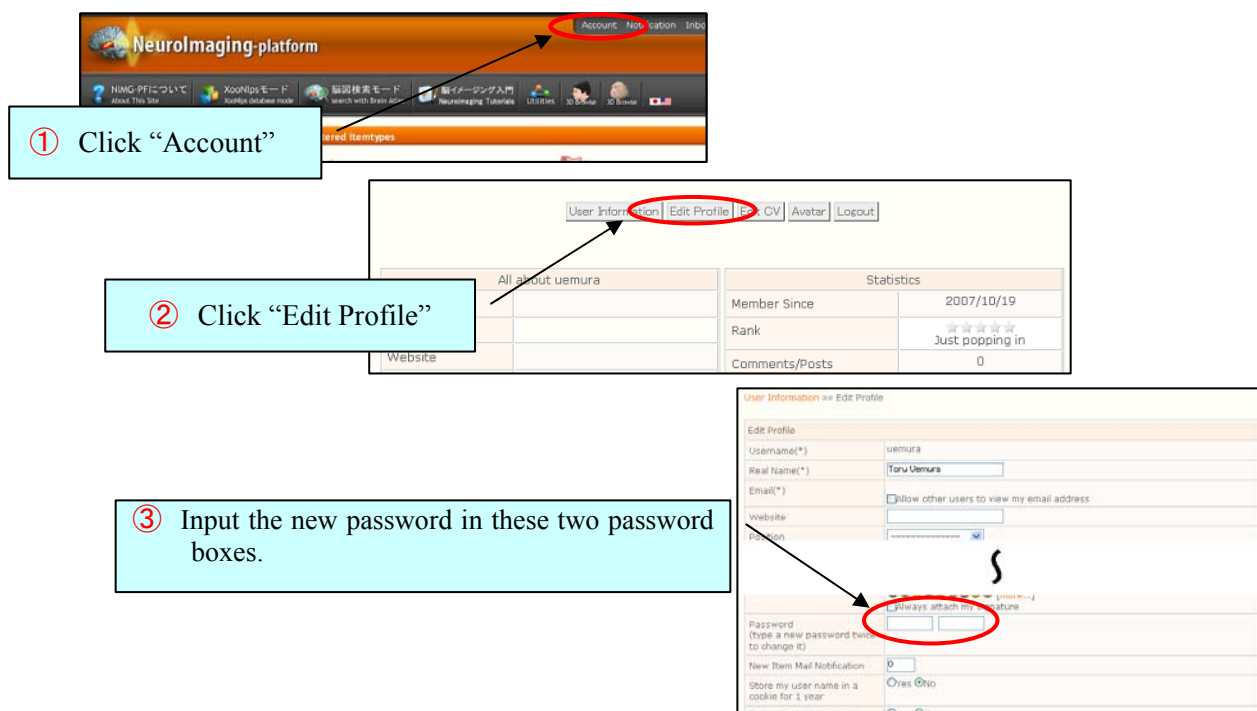
2.2. Login

After your account is approved, please log in by inputting your username and password in “login” at the top of the main page.



2.3. Editing your profile

After login, you can edit your profile, for instance, changing your password. Actually, you should change the password given to you as part of the initial setup immediately after your account is approved. The screenshots below show how to change the password.



After entering the new password, please click at the bottom of the screen. After this step, your password change is complete.

You can change the other profile items in the “edit profile” window by using the same procedure.

3. Screen format and basic operation

3.1. NIMG-PF main page

The screenshot shows the Neuroimaging platform main page with several key areas highlighted by red boxes and labeled with callouts:

- Main Menu:** Located at the top left, it includes links for "NIMG-PFについて", "XooNlpsモード", "脳図検索モード", "脳イメージング入門", "Neuroimaging Tutorials", "LIBSdlm", "3D Browser", and "Logout".
- Search:** A search bar with "Advanced" and "All" options, and a "Search with Brain Atlas" button.
- Index Tree:** A vertical list of categories such as "Public (117)", "Binders (1)", "Imaging Method (37)", "Tutorial (14)", "Brain Function (24)", "Task (12)", "Stimulation (20)", "Brain Area (23)", "Temporal and frequency comp", "Model (8)", "Technology (21)", and "Link (20)".
- Evaluation of registered item:** A section titled "XooNlps recommend" showing a table of items with their titles and points.
- Menu for registered user:** A "XooNlps User Menu" with options like "Add New Item", "User List", "Group List", "Notifications", "Inbox (0)", "Listing Item", "Edit Private Tree", and "Logout".
- Online user:** A "Who's Online" section showing "Members: 1" and "Guests: 7".
- Theme:** A "Themes" section displaying "NIMG", "NIMGBlack", and "NIMGScreen" as available themes.
- Site Information:** A "Site Information" section with links for "Instructions for Use", "Copyrights", "Privacy Policy", and "about us".
- Main Display Area:** The central content area containing "Registered Itemtypes" (Book, Paper, Presentation & Doc, Tool, Model), "XooNlps Ranking", "XooNlps Update", and "XooNlps Recommend".

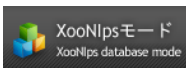
3.2. Main Menu

The following menu bars are displayed at the top of each page in NIMG-PF.



About This Site

This introduces the principles of NIMG-PF and their application.



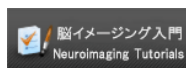
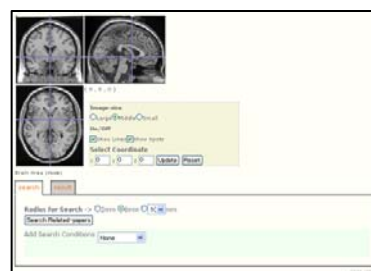
XooNIps database mode

You can go back to the main page of NIMG-PF by choosing the banner on the left top of the page.



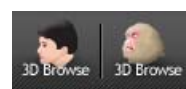
Search with Brain Atlas

This allows you to search for a paper that reports on the brain activity of a specific site, which can be arbitrarily depicted in an X, Y, Z cross-section diagram of the brain. Check Chapter 7 for more details.



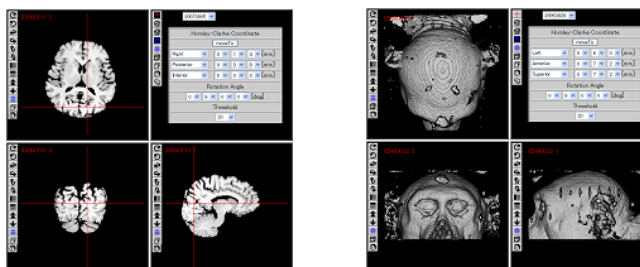
Neuroimaging Tutorials

This provides a useful tutorial for beginners in neuroimaging research.



3D Browse

This is the display function for the MRI database, which allows you to browse the 3D-MRI of a monkey and a human. Check Chapter 7 for more details.

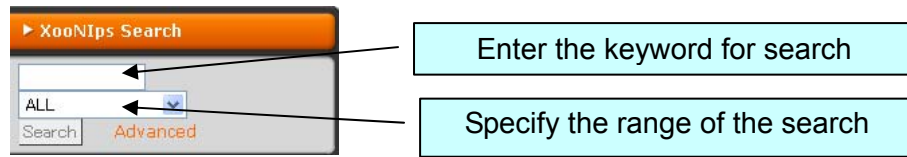


Language Switch

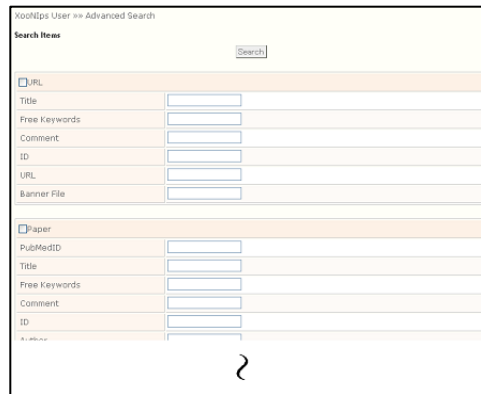
NIMG-PF is both English- and Japanese-language capable. You can switch the language by clicking the national flag banner.

3.3. Search

You may search for the registered items by entering a keyword. It is possible to refine your search by entering multiple keywords with AND (with space) or specific items.



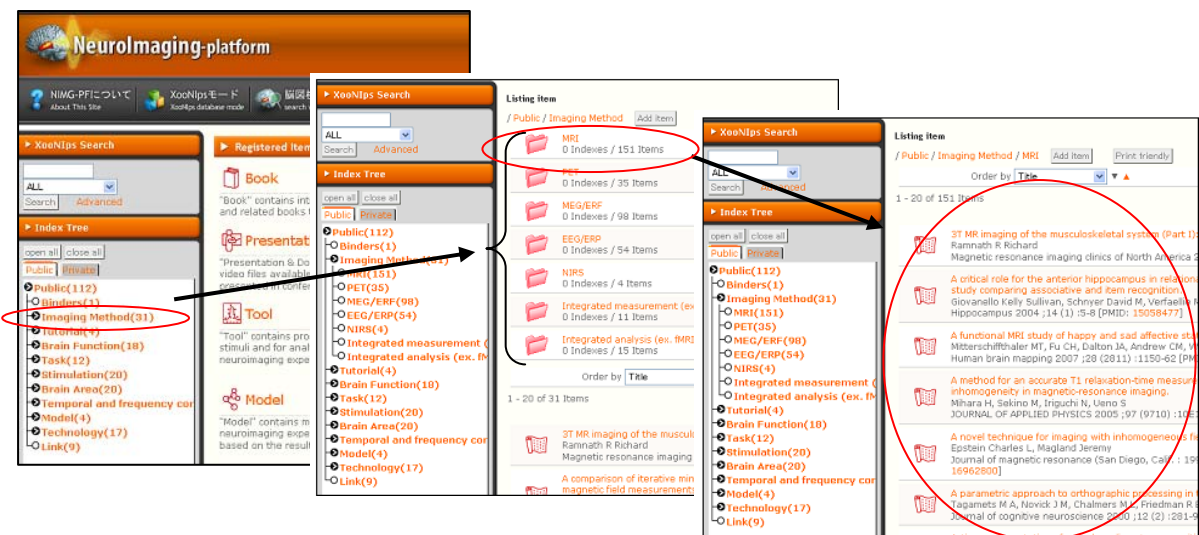
Also, you can make an advanced search by specifying the date or other attribute for each item after clicking “Advanced Search.”



Advanced Search

3.4. Index Tree

The Index Tree is an index for classifying and managing registered items in an easy-to-understand format. You can search for a group of registered items by selecting the item in the Index Tree. Its hierarchical structure allows you to refine your search from top to bottom of the hierarchy.



3.5. Evaluation of registered item

It is possible for registered users to evaluate a registered item.

3.6. User Menu

This menu can only be displayed to registered users. A registered user can register an item and exchange messages with other registered users.

- ▶ **Add New Item**

You can register items here. Check Chapter 4 for more details.

- ▶ **User List**

Users registered in NIMG-PF are displayed here.

- ▶ **Group List**

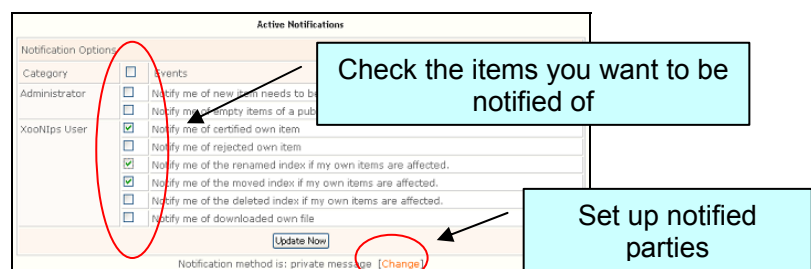
Groups registered in NIMG-PF are displayed here.

- ▶ **Event Notification**

You can set up approval and change of notification of events using the XOOPS function.

Please be sure not to set up any notification during initialization.

You can choose notification method between private message or e-mail.



- ▶ **Inbox**

The messages from other users and the moderator are stored in this inbox.

- ▶ **Item Listing**

The list of items registered by you is displayed here.

- ▶ **Edit Private Tree**

You can create or edit your private tree here. More details are explained in Chapter 5

- ▶ **Logout**

This allows you to log out.

3.7. Who's Online

This displays who is currently online.

3.8. Themes

You may change themes by selecting from among several in the overview, such as layout.

3.9. Site Information

This allows you to see various pieces of information on NIMG-PF.

- ▶ **Instructions for Use**

Operating environment and instructions for use are listed here.

- ▶ **Copyrights**

This explains the copyright details for each item and the data handled by NIMG-PF.

- ▶ **Privacy Policy**

This explains how a registered user's personal information is handled.

- ▶ **Operation Matrix**

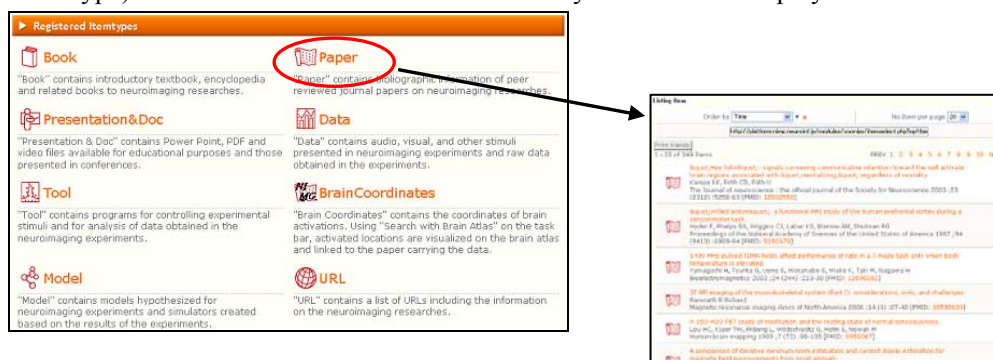
Listed are the contact addresses of the NIMG-PF committee, the Brain Science Institute, and the Neuroinformatics Japan Center of RIKEN.

3.10. Main Screen

The main screen occupies most of the space on the main page. The information for registered items is displayed here in three categories.

Registered Item Types

You can search for the registered items by type (see Chapter 4 for more details regarding Item Type). Click the item banner to list the items you wish to be displayed.



XooNips Ranking

The ranking of items by number of times browsed and number of times downloaded among all registered items.

XooNips Update

Displays the updated history of registered items.

XooNips Ranking	XooNips Update
most accessed items	newly arrived items
1st 音楽聴取時の.. (248) ★	1st Models of object r.. (05/29) ★
2nd MEGイメージング.. (229)	2nd A multibrain analy.. (05/29)
3rd Introduction to non-.. (226)	3rd Role of left infar.. (03/06)
4th Development of Neur.. (174)	4th Neural basis of sy.. (03/05)
5th Development of SQUID.. (158)	5th Lateralization of .. (03/05)
6th 脳機能検査 ?.. (153)	6th Neural correlates .. (03/05)
7th NICTチュートリ.. (150)	7th A functional MRI a.. (03/03)
most downloaded items	8th Separating brain r.. (03/03)
1st Hokudai MEG System (11) ★	9th Human cortical cir.. (03/03)
2nd MEGイメージング.. (10)	10th Cortical involve.. (03/03)
3rd 音楽聴取時の脳.. (9)	11th What happens in be.. (02/29)
4th Introduction to non-in.. (8)	12th Human cortical rhy.. (02/29)
5th NICTチュートリア.. (6)	13th Distinct fMRI resp.. (02/29)
6th Development of SQUID S.. (5)	14th Assessing the spat.. (02/29)
7th NICT紹介ビデオガ.. (4)	15th An MRI-based parce.. (02/29)
most active contributors	16th Parametrically dis.. (02/29)
1st niki (210) ★	
2nd hayashi (110)	
3rd uemura (102)	
4th s_ueno (61)	
5th kunki (59)	
6th sasaki (58)	
7th fujimaki (37)	
most searched keywords	
1st kunki (72) ★	
2nd 仁木 (72)	
3rd absent (62)	
4th auditory (58)	
5th brain (56)	
6th event-related (52)	
7th processing (52)	

4. Items

4.1. About Items

Varied contents, such as data and text, are registered in NIMG-PF, and these are all known as “items.” When registering an item, you attach the meta-information (Chapter 4.2) as well as one of three types of indexes, depending on the disclosure level (See Chapter 5 for Public Index, Group Index and Private Index).

4.2. Meta-Information

Meta-information (also called “meta-data”) indicates information about an item’s attributes such as registration, creation, explanation, and usage approval. The inputted content of meta-information will change at the time of registration due to its having different information for each item type (See 4.3).

4.3. Item Type

You can register nine kinds of items in total. These are called Item Types and are listed below.

▶ **Binder**

Binder is the list of registered items related to a specific theme and displayed in the Private Index or Public Index. You can easily know what kinds of items are registered for each specific theme.

▶  **Book**

This is the item type for registering books on neuroimaging. If you know its ISBN, you can automatically obtain and save the book’s information by entering the ISBN.

▶  **Paper**

This is the item type for registering scholarly papers. If you know the PubMed ID, you can enter it to automatically obtain and save the meta-information through MedLine.

▶  **Presentation&Doc**

This item type is for registering presentation materials and lecture materials.

▶  **Data**

This item type is for registering the data of audio-visual stimuli used in experiments and raw data for measurement.

▶  **Tool**

This item type is for registering the program for stimulus presentation and data analysis.

▶  **BrainCoordinates**

This item type is for registering the coordinate data of the activation region. Registering the coordinate data enables you to search for a paper based on its coordinates.

▶  **Model**

This item type is for registering simulators constructed from models based on experiments as well as the experimental results.

▶  **URL**

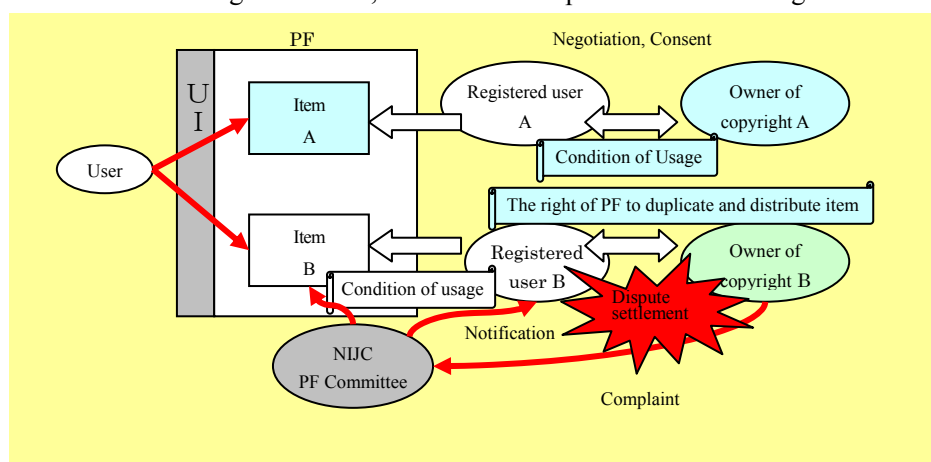
This is the item type for registering a web site with information content on neuroimaging.

4.4. A Note on Item Registration

Please take care to note the following considerations at the time of item registration.

► About copyright

Consent is required from test subjects for registering a database item concerning them on the Internet; also there needs to be confirmation that there is no problem in terms of intellectual property rights. The copyright of the item registered in NIMG-PF shall not be transferred. Thus, the registered user himself or herself needs to obtain consent from the owner of a copyright for the nonexclusive right to duplicate and distribute the item in NIMG-PF. The registered user also needs to discuss with the copyright owner approval conditions for downloading and using the items. NIJC and NIMG-PF are not responsible for any decisions regarding such conditions. In the case of a complaint from the owner of a copyright, we will refer the case to the registered user, who shall be responsible for handling the matter.



► PDF Data under Paper Item

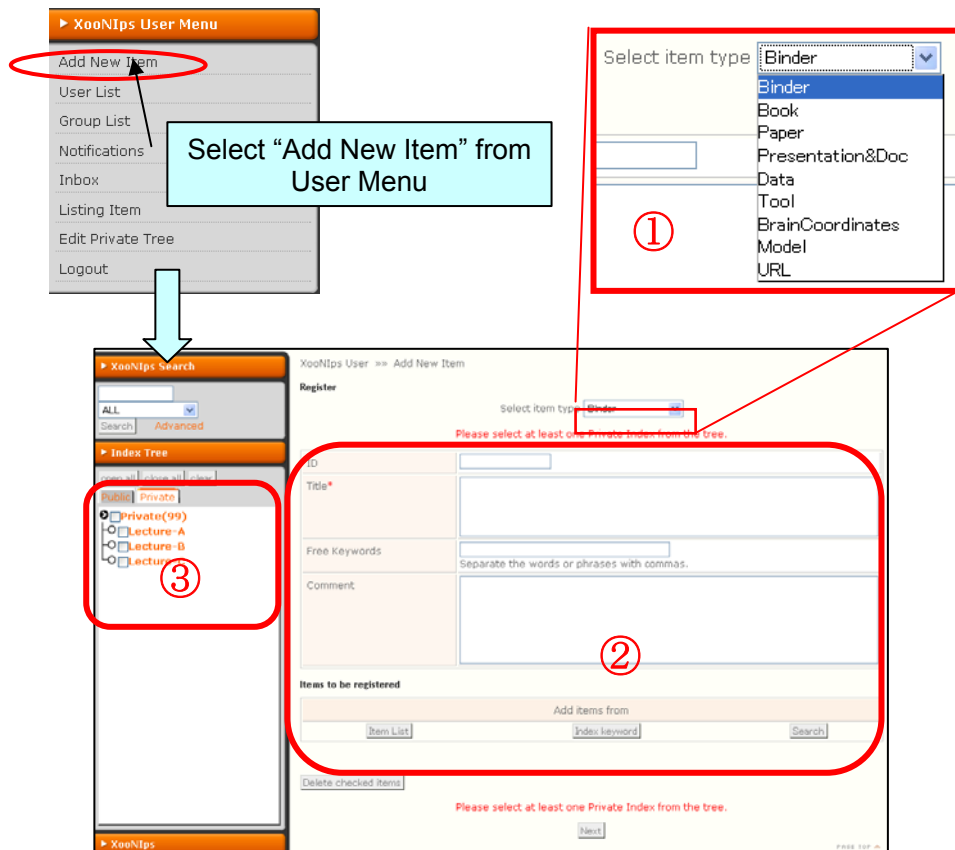
You can register PDF data in a paper under Paper Item. However, only the user who registered the PDF data is allowed to access the data, while other users are prohibited from doing so due to copyright ownership of the publishing company.

► About Item Disclosure (see Chapter 6 for more information on the disclosure of an item)

When you select Private Index only for registering an item, the registered user has access to the item, but other users are not allowed to access it. You need to select more than one Public Index and obtain approval from the moderator for the item to be open to the public. When you select Group Index and obtain the approval from the group manager, only designated group members will then have access to the item.

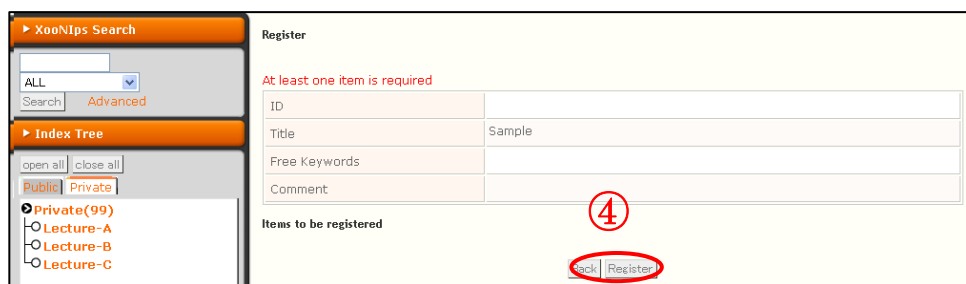
4.5. How to Register Items

To start registration, click “Registration of New Item” from the User Menu.



- ① Specify the type of item.
- ② Enter the item’s meta-information. The boxes marked with “*” are required. Please take care in entering information since the meta-information content differs for each item.
- ③ Designate the Index for entering the item. You need to designate *at least one* Index from the Private Index (see Chapter 5 for more details).

Click the button after filling out all of the required boxes.



- ④ Click after confirming there is no mistake in the entered information on the “Register” page.
- ⑤ When you select Public Index, you see a window displaying “Approval from moderator....” This is the end of the registration process. Once the moderator approves the item, it will be open to any user. You will not receive a notice of decision from the moderator unless you set up Event Notification.

※See p. 7 for more details on Setting Up Event Notification.

5. About the Index

5.1. Public Index, Group Index and Private Index

You need to set up an Index at the time of item registration. You can set up the following three Indexes according to the open level of the item. Also, you can change the Index setup even after registration.

► Public Index

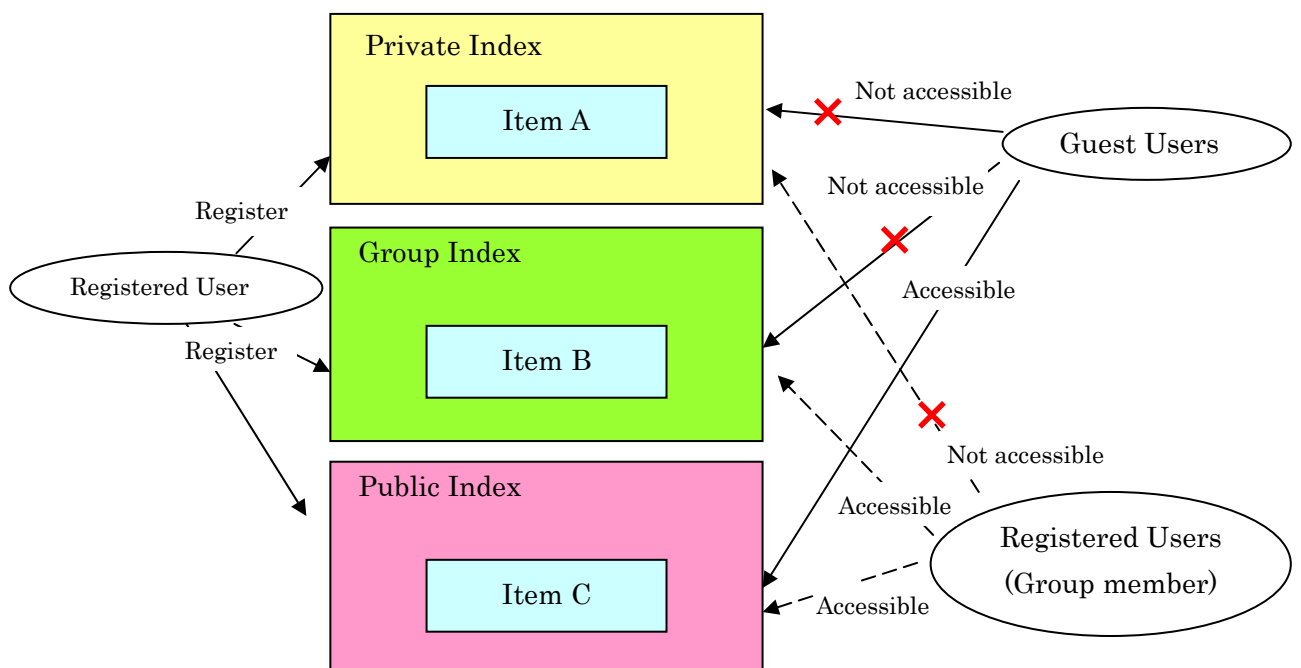
- The Index which all users can access.
- Users need to set up this Index for items that are to be open to anyone.
- The terms in the Index cannot be edited.
- Selection of more than one index is possible.

► Group Index

- Users who belong to a certain group have access to this Index.
- An item used in a group needs to be set up with the Group Index.
- A group manager creates the terms in the Index, with no editing allowed.
- Selection of more than one index is possible.

► Private Index

- You need to select at least one from this Index regardless of whether the item is to be open to all users.
- Only registered users have access to the item set up only for this Index.
- Outsiders cannot enter the Private Index.
- The registered user manages this Index by himself or herself, creates new items, and has editing capability.
- Selection of more than one index is possible.



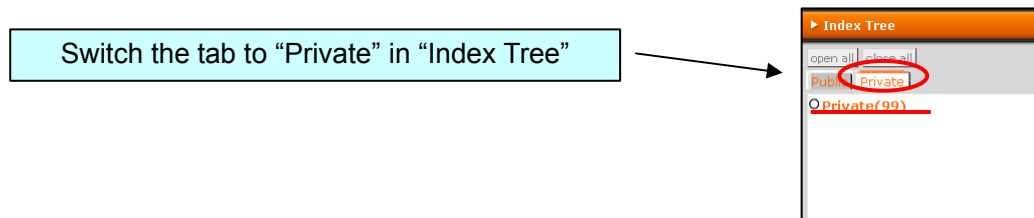
5.2. Selecting an Index

1. Please select the Index that displays the information on the registered item.
2. You can select more than one Index.
3. All among multiple Indexes are equal to each other.
4. The upper Indexes will not be automatically added when you select a lower Index.
5. You can select the upper Indexes and the lower Indexes simultaneously.
6. Registered users need to judge whether both the upper and lower indexes will be added or only the one the user considers appropriate for item display.

5.3. Creating and Editing Private Index

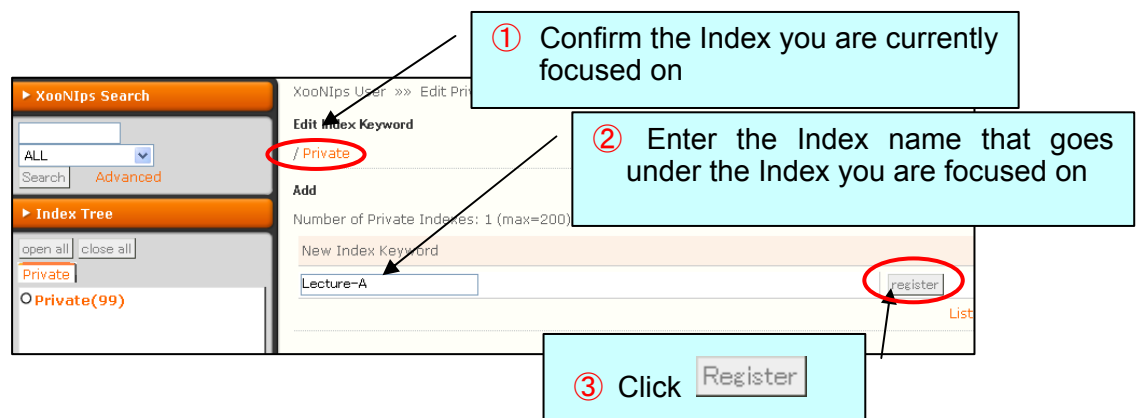
Registered users can freely create and edit a Private Index so that they can efficiently manage the registered items. At first only “Private” appears as the Index below; however the user can add other Indexes under an arbitrary name at this level.

※ Capacity is limited (but the capacity is not limited when the item is open to the public)



▶ Screen for Creating a Private Index

By selecting “Edit Private Tree” in User Menu, the screen for creating and editing appears.



Please follow the same procedure to add a new Index.

► Screen for Editing a Private Index

The screenshot shows the 'Edit Private Tree' interface. On the left, there is a sidebar with 'XooNIPS Search' and 'Index Tree'. The 'Index Tree' shows a tree structure with 'Private(99)' selected. A callout box points to a checkbox next to 'Lecture-A' in the 'Modify' table, with the text 'Click the checkbox for the Index subject to be edited'. The 'Modify' table has columns for 'Index Keyword', 'Rename to', and 'Up/Down'. A callout box points to the 'Up/Down' column, with the text 'To change the order, select it from this box'. Another callout box points to the 'Rename to' column, with the text 'Changing the Index name Click after entering the new Index name in'. A third callout box points to the 'move to' button and the 'Private (3)' dropdown, with the text 'To change item hierarchy, select destination by using'. A dropdown menu is shown below this callout, listing 'Lecture-A', 'Private (3)', 'Lecture-A', 'Lecture-B', and 'Lecture-C'.

6. Additional information on Registering Items

6.1. Item Registration Screen for Each Type

► Binder

- The screen displays related items by listing them in an easy-to-understand way.
- Private and Public Indexes can be added to a Binder according to the degree of openness.

The screenshot shows the 'Item Registration' interface. On the left, there is a form for 'Sample Binder' with fields for 'Title*', 'Free Keywords', and 'Comment'. A callout box points to the 'Item List' button, with the text 'Click the "Item List"'. On the right, there is a 'Listing Item' table with columns for 'Order', 'Item', and 'No. Item per page'. A callout box points to a checkbox in the 'Order' column, with the text 'Put a check mark on the item you wish to add'. Another callout box points to the 'Select' button at the bottom, with the text 'Click "Select"'. The table lists several items with their titles and authors, such as 'Neural correlates of actual and predicted memory formation.' and 'How emotion enhances the feeling of remembering.'

► Book

- You can automatically obtain and supply meta-information by using the ISBN.

XeoNips User -> Add New Item

Register

Select item type: **Book**

Please select at least one Private Index from the tree.

ID:

Language: **English**

ISBN:

Title*:

Free Keywords:

Comment:

Author:

Editor:

Download Notification: Yes/No
This option is effective only if download limitation option is "login user" and event "notify when item is downloaded" is "on"

Index*:

Related to:

Please select at least one Private Index from the tree.

Next

You can automatically obtain and supply meta-information if you know the ISBN

Specify at least one Index from Private Index

You can upload the data in a PDF-format paper from here

► Paper

- You can automatically obtain and supply the meta-information by using PubMed ID.

XeoNips User -> Add New Item

Register

Select item type: **Paper**

Please select at least one Private Index from the tree.

ID:

Language: **English**

PubMedID:

Title*:

Free Keywords:

Comment:

Journal*:

Publication Year*:

Volume:

Number:

Page:

Abstract:

PDF Reprint:

Index*:

Related to:

Please select at least one Private Index from the tree.

Next

You can automatically obtain and supply meta-information from PubMed ID

Please specify at least one Index from Private Index

You can upload the data in a PDF-format paper from here

► Presentation & Document

The following settings are available.

- Options for Limiting the Download of Files (available to anyone or available only to registered users).
- Attaching a Read Me.
- Setup for a consent agreement.

Setup for a Creative Commons license.

- ◆ Decision on commercial use.
- ◆ Decision on using correction (approved, approved under the same conditions of consent agreement, disapproved).

The screenshot shows the 'Add New Item' form in XooNips. The 'Register' section is active, and the 'Presentation&Doc' item type is selected. The form includes fields for ID, Language (English), Title, Free Keywords, Comment, Date (Apr 18, 2008), Presentation type (Other), Creator, Preview (File and Caption), Presentation File, Download Limitation (Login User/Everyone), Download Notification, Readme, Rights (Creative Commons license options), Index, and Related to. Annotations with arrows point to various fields: 'Name of the file's creator' points to the Creator field; 'Specify the file to be attached' points to the File field in the Preview section; 'Download limit' points to the Download Limitation radio buttons; 'License setup for Creative Commons' points to the Rights section; 'Specify related item(s)' points to the Related to text area; 'Setup of Read me' points to the Readme field and its Edit button; 'Setup of an independent license' points to the Edit button in the Rights section; 'Specify the Preview and Caption that briefly display the file's content to users' points to the File and Caption fields; and 'File types:' points to a dropdown menu showing options like PowerPoint, Lotus, JustSystem, HTML, PDF, and Other.

▶ Data

The following settings are available.

- Options for Restricting the Download of Files (available to anyone or available only to registered users).
- Attaching a Read Me.
- Setup for a consent agreement.
 - Setup for a Creative Commons license.
 - ◆ Decision on commercial use.
 - ◆ Decision on using correction (approved, approved under the same conditions of consent agreement, disapproved).
 - ◆ Setup for an independent license.

The screenshot shows the 'Register' form for a 'Data' item. The form includes fields for ID, Language (English), Title, Free Keywords, Date (Mar 10, 2008), Data type (Text), Preview, Data File, Download Limitation (Login User/Everyone), Readme, Rights (Some rights reserved), Index, and Related to. A 'File types' dropdown menu is open, showing options like Text, Excel, Movie, Picture, and Other. The form is annotated with several callout boxes:

- Name of file's creator**: Points to the 'Title*' field.
- Specify file to be attached**: Points to the 'File:' and 'Caption:' fields.
- Specify the Preview and Caption which briefly displays the file's content to users**: Points to the 'Preview' field.
- Download limit**: Points to the 'Download Limitation' field.
- Setup for Read Me**: Points to the 'Readme' field.
- Setup for a Creative Commons license**: Points to the 'Rights' field.
- Setup an independent license**: Points to the 'Rights' field.
- Specify related item(s)**: Points to the 'Related to' field.

The form also includes a 'File types' dropdown menu with options: Text, Excel, Movie, Text, Picture, Other. The 'Rights' section has radio buttons for 'Some rights reserved' (selected), 'All rights reserved', and 'No rights reserved'. The 'Some rights reserved' section has sub-options for 'Allow commercial uses of your resource?' and 'Allow modifications of your resource?'. The 'Related to' field has a text area for 'Please write a related item ID per line.' and a 'Search items(new window)' button.

► **Tools**

The following settings are available.

- Options for Limiting the Download of Files (available to anyone or available only to registered users).
- Attaching a Read Me.
- Setup of a consent agreement.
 - Setup for a Creative Commons license.
 - ◆ Decision on commercial use.
 - ◆ Decision on using correction (approved, approved under the same conditions of consent agreement, disapproved).
 - ◆ Setup of an independent license.

The screenshot shows the 'Register' form for a 'Tool' item. The form includes the following fields and sections:

- File types:** A dropdown menu showing options: Matlab, Matlab, Mathematica, Program, and Other.
- Name of file's creator Setup:** Points to the 'Developer' field.
- Specify file to be attached:** Points to the 'File' field with an 'Upload' button.
- Download limit:** Points to the 'Download Limit' radio buttons (Login User, Everyone).
- Setup for Read Me:** Points to the 'Readme' field.
- Setup for a Creative Commons license:** Points to the 'Rights' section, which includes options for 'Some rights reserved' (Allow commercial uses, Allow modifications) and 'All rights reserved'.
- Specify related item(s):** Points to the 'Related to' field.
- Specify the Preview and Caption that briefly display the file's content to users:** Two boxes point to the 'Caption' and 'File' fields.

Two 'Edit' buttons are circled in red, one in the 'Readme' section and one in the 'Rights' section.

► **Brain Coordinates**

- The item type for registering the coordinate data of the activation.
- You can search for a paper based on the display and coordinates of an activated brain map by using the search function of the brain atlas.

When adding coordinate data to an already registered item, please enter the ID of the target item

Information on base item, e.g. Paper, Book

Brain Coordinate information

Select item type: BrainCoordinates

Please select at least one Private Index from the tree.

NIMGCenter

Base-item ID: Complete

Base Item Type Select: Paper

ID:

Language: English

PubMedID: Complete

Title*:

Free Keywords: Separate the words or phrases with commas.

Comment:

Author*: Please write 1 person per line. e.g. Smith J, Brown MN

Journal*:

Publication Year*:

Volume:

Number:

Page:

Abstract:

PDF Reprint: 参照...

Index*:

Related to: Please write a related item ID per line.

Search items from window

Brain Areas: Unidentified, Inter-Hemispheric, Left Cerebrum

Reference:

Coordinate Type: Talairach OMNI Unclear

Brain Coordinate: x: y: z: Add

Brain Coordinates(List style): x,y,z; x,y,z; ... Add

Please select at least one Private Index from the tree.

Next

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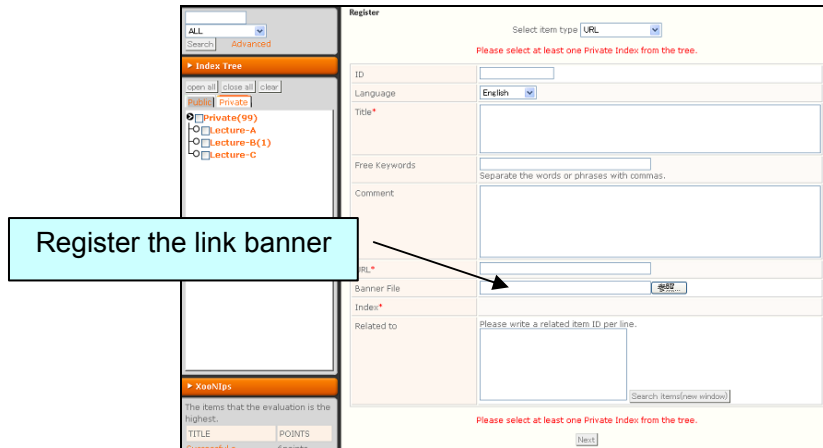
► **Model**

The following settings are available.

- Options for Limiting the Download of Files (available to anyone or available only to registered users).
- Attaching a Read Me.
- Setup of a consent agreement.
 - Setup for a Creative Commons license.
 - ◆ Decision on commercial use.
 - ◆ Decision on using correction (approved, approved under the same conditions of consent agreement, disapproved).
 - ◆ Setup of an independent license.

The screenshot shows the 'Add New Item' registration page for XooNips. The page is titled 'XooNips User >> Add New Item' and includes a 'Register' section. The 'Select item type' dropdown is set to 'Model'. A red message states: 'Please select at least one Private Index from the tree.' The form contains several fields: ID, Language (English), Title, Free Keywords, Comment, Model type (Matlab), Creator, File, Caption, Download Limit (Login User/Everyone), Download Notification (Yes/No), Readme, Rights (Some rights reserved, All rights reserved), and Index. A 'File types' dropdown menu is open, showing options like Matlab, Neuron, OriginalProgram, Satellite, Genesis, A-Cell, and Other. The 'Rights' section has radio buttons for 'Allow commercial uses of your resource?' and 'Allow modifications of your resource?'. The 'Index' field has a 'Search items(new window)' button. Callout boxes with arrows point to various elements: 'Name of file's creator' points to the Creator field; 'Specifying file to be attached' points to the File and Caption fields; 'Download limit' points to the Download Limit dropdown; 'Setup for Read Me' points to the Readme field; 'Setup for a Creative Commons license' points to the Rights section; 'Specifying related item(s)' points to the Index field; 'File types:' points to the File types dropdown; 'Specifying Preview and Caption that briefly display the content of the file to users' points to the Caption field; and 'Setup for an independent license' points to the 'Edit' button in the Rights section.

► URL

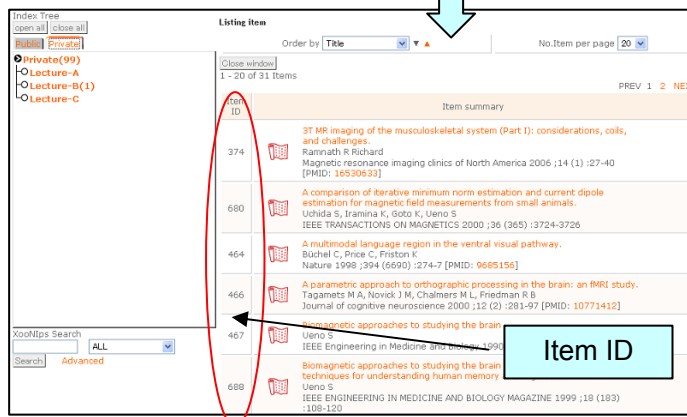
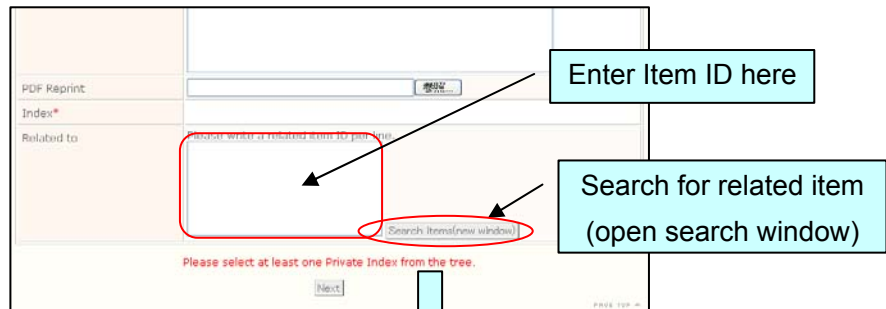


6.2. Associating Items

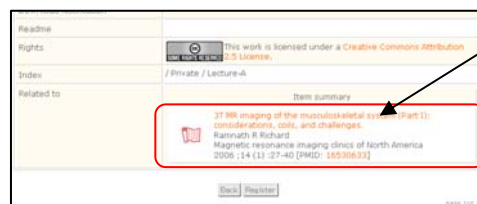
You can associate already registered items by specifying the item you wish to associate with the Item ID (which the system automatically distributes). Type the target item ID in the box at the bottom of Item Registration Screen. Please register one ID per line. If you don't know the Item ID, click

[Search items\(new window\)](#)

to open a search window to search for your desired item's ID.



This window is for searching only and you can't register ID



Registration confirmation screen

6.3. Editing an item (public and non-public)

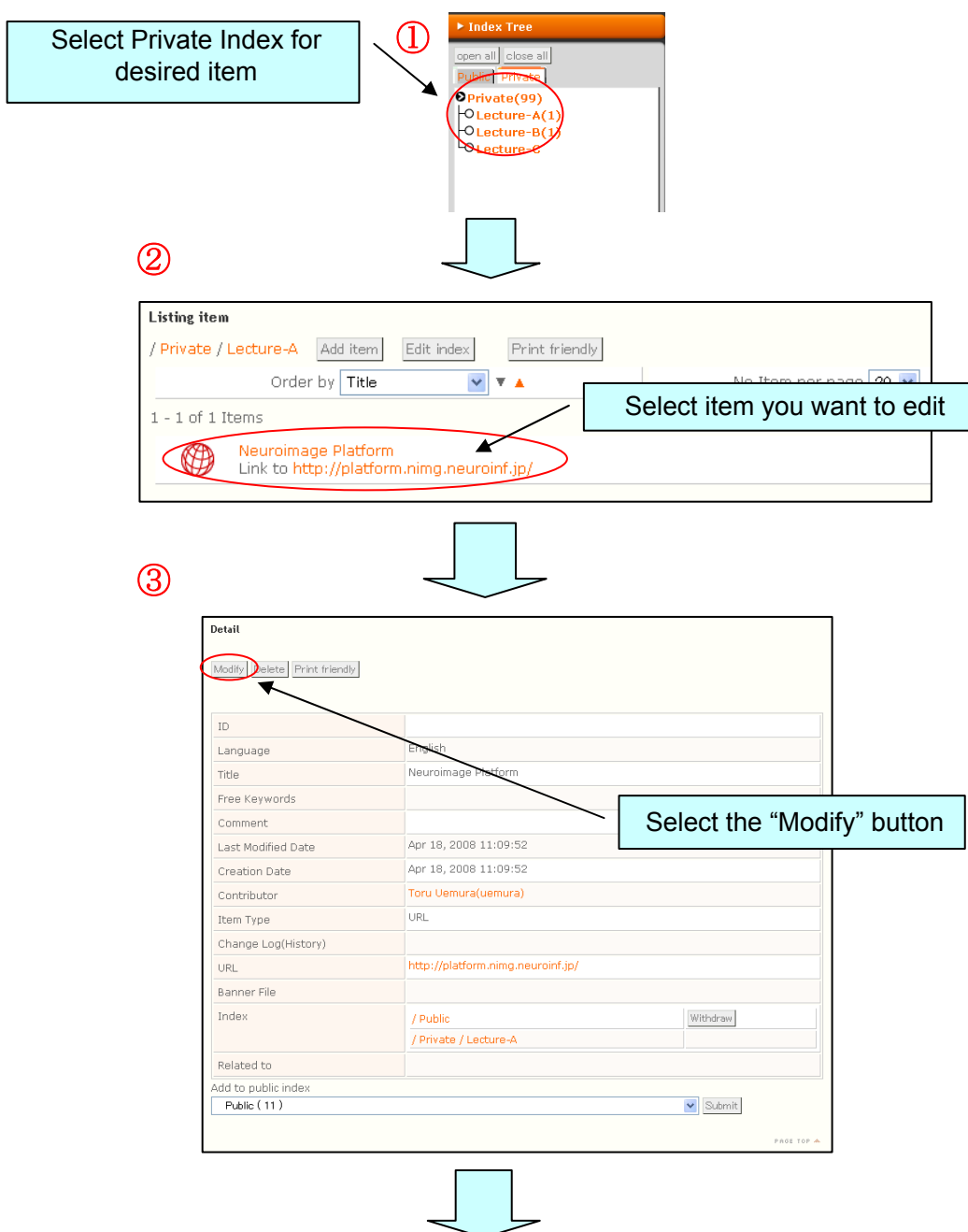
▶ Disclosing an item

If a registered user wishes to disclose an item, a Public Index must be set up and approval from the moderator must be obtained. The registered user can edit the item the user has registered and also edit and disclose unpublicized items (items set up for the Private Index).

Once the registered user completes editing by setting up the Public Index of the target item on the edit screen, the moderator evaluates the content of the item and, if the moderator sees no problem, approval is granted. Unpublicized items can also be disclosed by following this procedure.

※ Please remember that registered users shall not receive an evaluation result unless they set up the notification of an event.

▶ Flow for editing to make an item public



④

Put check marks on all indexes you need in the Public Index Tree

Storage of Items: 0.00MB / 500.00MB

ID

Language English

Title* Neuroimage Platform

Free Keywords

Comment

Last Modified Date Apr 18, 2008 11:09:52

Creation Date Apr 18, 2008 11:09:52

Contributor Toru Uemura(uemura)

Item Type

Change Log

URL*

Banner File

Index* / Public / Private / Lecture-A

Related to

Search Items(new window)

Next

To go to confirmation screen

Edit meta-information

⑤

Modify

ID	
Language	English
Title	Neuroimage Platform
Free Keywords	
Comment	
Last Modified Date	Apr 18, 2008 11:09:52
Creation Date	Apr 18, 2008 11:09:52
Contributor	Toru Uemura(uemura)
Item Type	URL
Change Log	Modified; Index.
URL	http://platform.nimg.neuroinf.jp/
Related to	/ Public / Public / Link / Private / Lecture-A

The Index you check will be set up

If there are no more changes to be made to the content, click "update" to complete editing

Back Update

▶ **Non-disclosure of an item**

In order to set the item as non-disclosed, you only need to set a Private Index, without setting any Public Index. You may set an item to be non-public by editing it after registration in the same way as setting an item to be disclosed as shown above. You can change the setting for an item from disclosed to non-disclosed by removing the Public Index that you marked in the process above. You don't have to receive approval from the moderator in this case.

7. Other Functions

7.1. Brain Coordinates

The Brain Coordinates setup adds brain coordinate information, such as brain coordinates and cognition function, to the information of other items such as Paper and Data (so-called base items).

Register

Select item type: BrainCoordinates

Please select at least one Private Index from the tree.

NIMGCenter

Base-Item ID: Complete

Base Item Type Select: Paper

ID:

Language: English

PubMedID: Complete

Title*

Free Keywords:
Separate the words or phrases with commas.

Comment:

Author* Please write 1 person per line.
e.g.
Smith J
Brown MN

Journal*

Publication year*

Volume:

Number:

Page:

Abstract:

PDF Reprint: PDF

Index*

Related to:
Please write a related item ID per line.

Brain Areas: Inter-Hemispheric Left Cerebrum

Reference:

Coordinate Type: Talairach MNI Unclear

Brain Coordinate: X: Y: Z: Add

Brain Coordinates(List style): X,Y,Z; X,Y,Z; ... Add

Please select at least one Private Index from the tree.

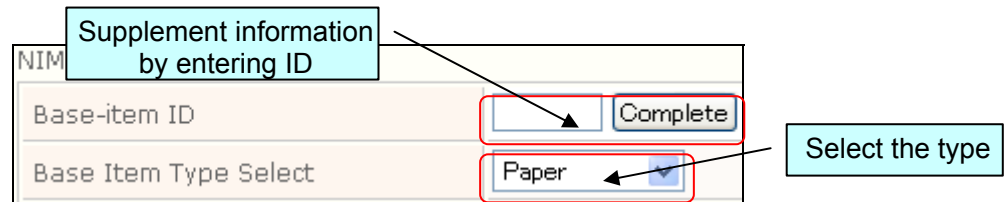
Next

► Supplementing base item information

When the base item is already registered, you can automatically input the base item information by entering its ID in the “base item ID” box and pressing the “Complete” button. Please remember that changes to the information of the base item are not reflected in the original base item.

► Registering the base item as a new item

When you want to register the base item as a new item, select an item type and enter the required information in the box designated for each type. In this case, please leave the “Base Item ID” box empty. Through this registration procedure, you can register both the base item and the Brain Coordinates simultaneously.

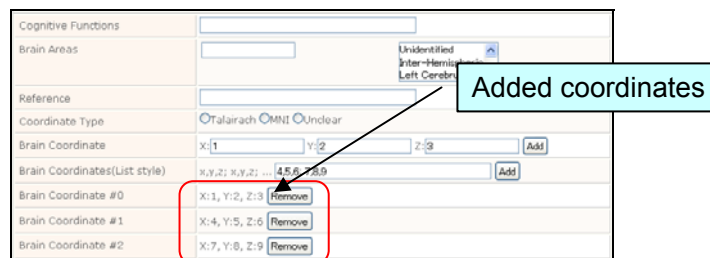


► **Brain Coordinate item information**

Enter the information of Brain Coordinate items such as “Cognition Function” and “Brain Domain Name,” in addition to entering the base item.

Please separate multiple domains with “,” (one-byte comma) and enter in the box for “Brain Domain Name”

- Besides directly entering domains, you can also add them by double-clicking in the list box on the right.
- Enter “Cognition Function” and “Citation Source” with “,” (one-byte comma).
- Please specify either MNI coordinate system or Talairach coordinate system to be entered for “Type of Brain Coordinates.”
 - “Details Unknown” is selected by default, and Talairach Coordinate System is assumed for “Brain Coordinate.”
- You can use either “Brain Coordinates” or “Brain Coordinate list format” when entering brain coordinates.
 - You can describe the coordinates for “Brain Coordinate List Form” by separating them with a one-byte comma such as x, y, z. Also, you can designate multiple coordinates with “:” (one-byte semi-colon).
 e.g. 1, 2, 3: 4, 5, 6: 7, 8, 9 → (1, 2, 3) (4, 5, 6) (7, 8, 9)
 - Please click “Add” to add coordinates. Also, click “Remove” to remove the already added coordinates.



► **How to Use the Index**

When you want to newly register the base item at the same time as registering Brain Coordinates, the Index you set for the registration of Brain Coordinates shall be applied to the registration of the base item. However, please remember that the Index shall not be applied to the base item when you select an already existing item with your ID.



After entering all required items, please click “Next” to go to the confirmation screen. If you see any errors on the confirmation screen, please click “Go Back“ to return to the registration screen and correct the data. If you don’t see any mistakes on the displayed screen, please click “Register.”

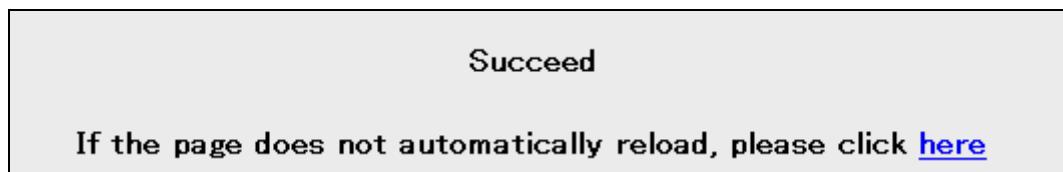
Register
Coordinate type is not selected. failed.

ID	
Language	English
PubMedID	
Title	Sample
Free Keywords	
Comment	
Author	Sample
Journal	Samle
Publication Year	2008
Volume	
Number	
Page	
Abstract	
PDF Reprint	
Index	/ Private
Related to	
Base-item ID	
Cognitive Functions	
Brain Areas	
Reference	
Coordinate Type	Talairach
Brain Coordinate #1	X:1 Y:2 Z:3
Brain Coordinate #2	X:4 Y:5 Z:6
Brain Coordinate #3	X:7 Y:8 Z:9

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Example confirmation screen

Once you register the item without any problem, you will see the following screen indicating that the item was successfully registered.



► **Animated Description**

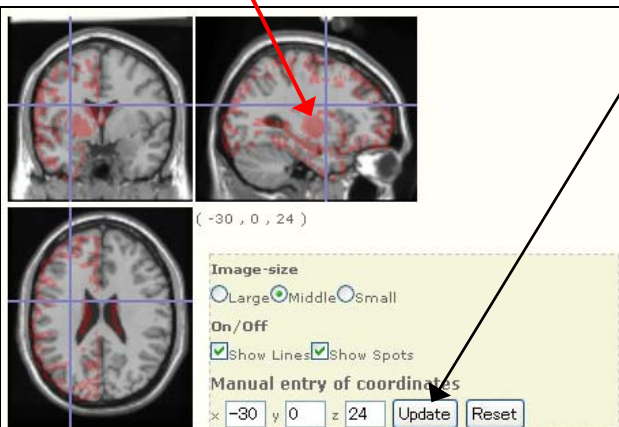
You can also use the animated operation manual for Brain Coordinates available at “How to Use This Site,” which is linked to “About NIMG-PF” in the Main Menu.

7.2. Search with Brain Atlas

This is the search mode used to search for items corresponding to specified brain coordinates.

Click the brain image to specify the coordinates

The current coordinate values are shown in these boxes, where you can directly enter the numerical value to specify the coordinates



If you select a brain domain from the list at left and transfer it to the right, the brain domain will be displayed in red on the brain image (please click "Display" to display this form since it is set to "Hide" by default)

LEVEL 4

Cerebro-Spinal Fluid (C)

Gray Matter (C)

Gray Matter (R)

White Matter (C)

Cerebro-Spinal Fluid (L)

Cerebro-Spinal Fluid (R)

Gray Matter (L)

You can specify the area to be searched by distance in radius from the specified coordinates; enter a value in millimeters here

Radius for Search -> 2mm 6mm 10mm

Search Related-papers

Add Search Conditions

and or

Paper

PubMedID

Title

Free Key words

Click this button to execute a search

If you wish to add a search condition or a title to an item type, please specify it in this form

Notes: "Search with AND"

→You can search matches with both "Searching Conditions for Brain Coordinates" and "Searching Conditions for Item Type."

"Search with OR"

→You can search matches with either "Search Conditions for Brain Coordinates" or "Search Conditions for Item Type."

The following search result will be displayed by executing search.

You can “Display the Next 10 Search Results,” “Change Displayed Number” and “Shuffle items”

The contents of items are displayed as shown here, one at a time

[DETAIL], [INFO] AND [SPOT] buttons are available for each item

- [DETAIL] This displays a detailed page of the item
- [INFO] This displays a list for brain coordinates related to the item
- [SPOT] This displays the brain coordinates corresponding to the item on the brain image
(You can toggle between Display or Non-display for [INFO] [SPOT] by clicking here)

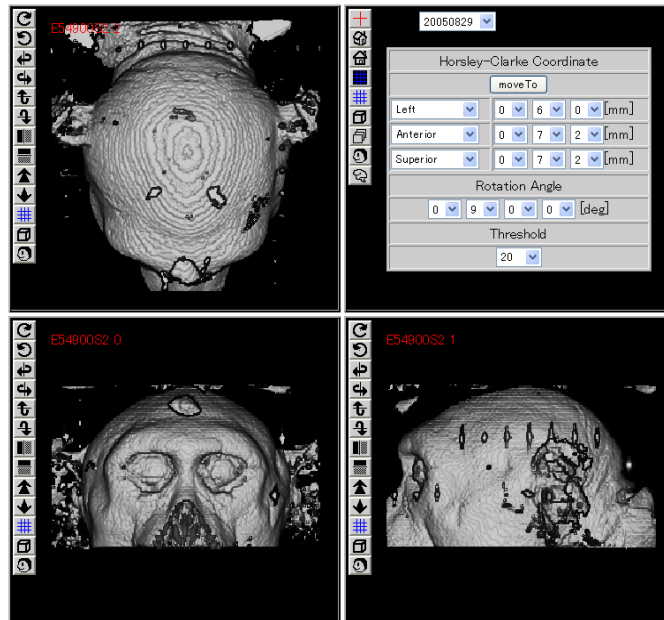
► **Animated description**

You can also use the animated operation manual for Search with Brain Atlas available at “How to Use This Site,” which is linked to “About NIMG-PF” in the Main Menu.

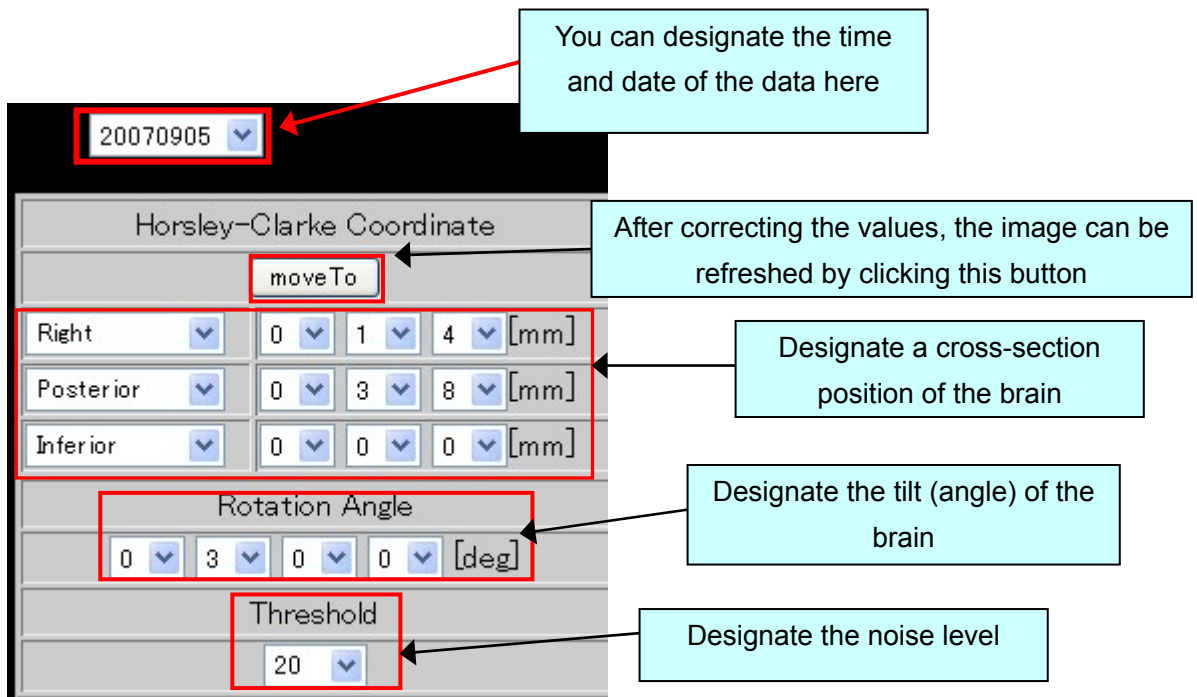
7.3. Brain Image 3D Browser

The Brain Image 3D Browser is comprised of 4 parts:























- Upper right Operation form for cross-section position, angle, and depth of brain
- Upper left Brain image viewed from above (or below)
- Lower left Brain image viewed from front (or back)
- Lower right Brain image viewed from right (or left)



► Description of Navigation Form

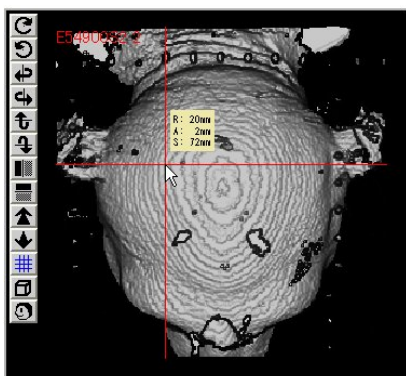


► **Button Descriptions**

	Displays coordinates
	Hides coordinates
	(Cubic diagram) Returns to initial screen
	(Flat diagram) Returns to initial screen
	Displays gridlines
	Hides gridlines
	Displays cubic diagram
	Displays flat diagram
	Displays skin image (not available on image print of human brain)
	Displays image without skin (brain)
	Rotates diagram in the direction of the arrow
	Rotates diagram in the direction of the arrow
	Rotates diagram in the direction of the arrow
	Rotates diagram in the direction of the arrow
	Rotates diagram in the direction of the arrow
	Rotates diagram in the direction of the arrow
	Rotates diagram in the direction of the arrow
	Rotates diagram in the direction of the arrow
	Reverse the image horizontally
	Invert the image vertically
	Move cross section axis of image higher
	Move cross section axis of image lower

► **Mouse Operation**

The user can operate the mouse in the following ways while the coordinates are displayed.



- When clicked, the clicked points are set at the original points of the coordinates.
- When clicking, the coordinate values of the clicked points are displayed.
- The cross-section axis can be moved by dragging.

► **Animated Description**

The operation instructions for 3-D Browsing is shown by animation at the “How-to site” at the link for “About NIMG – PF” on the main menu, so please refer to that site as well.