

CSIR Website User Manual



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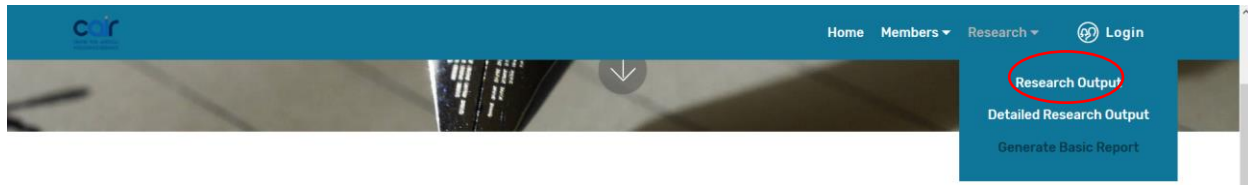
1 Introduction

The CAIR website is tool for managing the research outputs produced by the Center of Artificial Intelligence Research (CAIR) members in South Africa. The tool will allow CAIR members to easily add, modify and delete entries their research outputs. Node administrators can create, modify and delete research outputs for any CAIR members in the same node. They can also access basic and detailed information of all the research outputs for CAIR members in the same Node. Global administration can create accounts for CAIR members and Administrators and can also create new Nodes. Non CAIR members can use the website to view and download basic research outputs. They can also download a basic report with the list of all the research outputs produced by CAIR members.

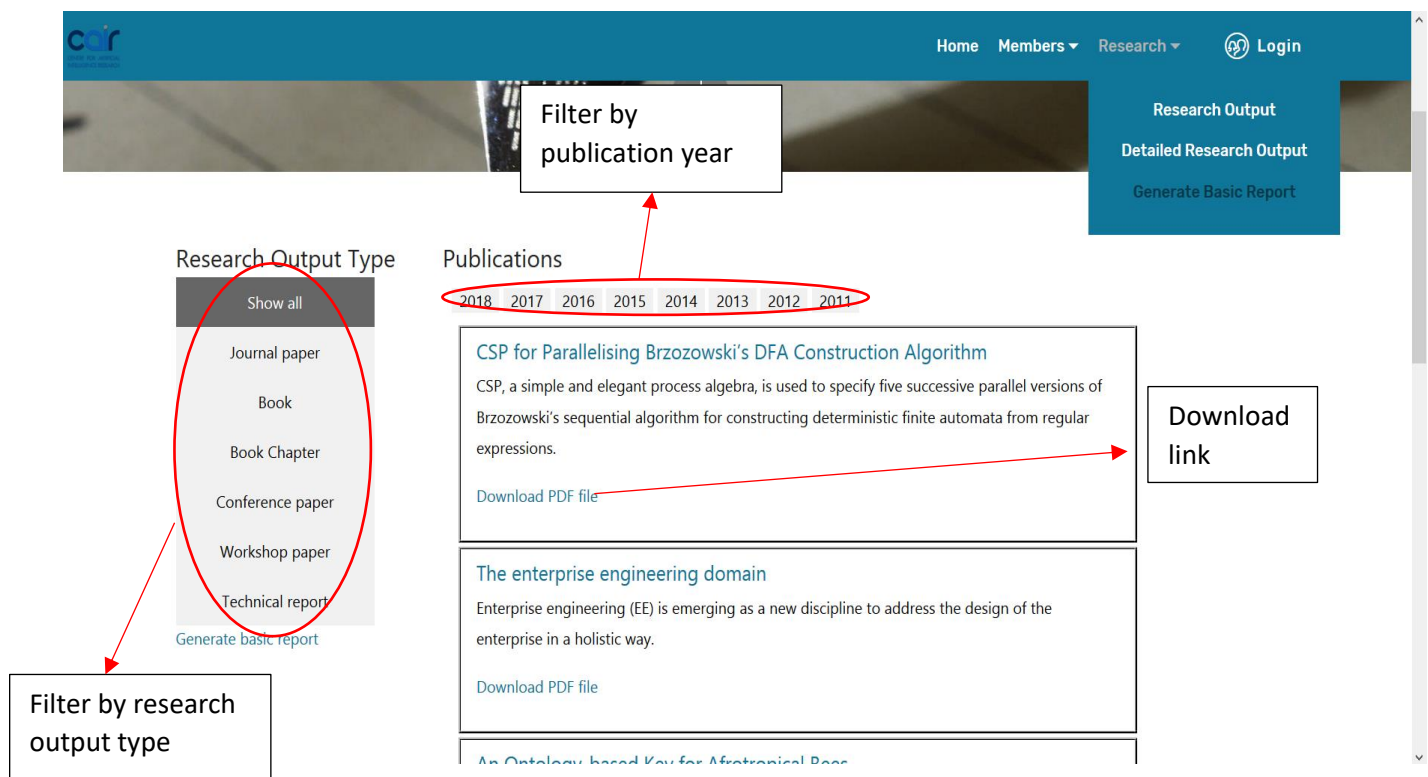
CAIR members, Node administrators and Global administrators can do anything that non CAIR members can do.

This document will guide through the necessary steps on how to use the different functionalities provide by the website.

2 Access and navigate through research output page



1. Click on the research output tab



2. Click on the buttons on the left side of the screen to filter by their research output type.
3. Click on the button on the top of the screen to filter by their publication year.
4. Click on the "Download PDF file" to download the pdf file.
5. Click on title of the research output to view the research output

3 Download research output report

The screenshot shows a web interface for research outputs. At the top, there is a navigation bar with links for Home, Members, Research, and Login. Below this, a dropdown menu is open, showing 'Research Output', 'Detailed Research Output', and 'Generate Basic Report', with the last option circled in red. On the left, under 'Research Output Type', there is a list of options: 'Show all', 'Journal paper', 'Book', 'Book Chapter', 'Conference paper', 'Workshop paper', 'Technical report', and 'Generate basic report', with the last option circled in red. The main content area, titled 'Publications', shows a list of publications with filters for years from 2018 to 2011. The first two publications are visible: 'CSP for Parallelising Brzozowski's DFA Construction Algorithm' and 'The enterprise engineering domain', each with a 'Download PDF file' link.

Home Members Research Login

Research Output
Detailed Research Output
Generate Basic Report

Research Output Type

Show all
Journal paper
Book
Book Chapter
Conference paper
Workshop paper
Technical report
Generate basic report

Publications

2018 2017 2016 2015 2014 2013 2012 2011

CSP for Parallelising Brzozowski's DFA Construction Algorithm
CSP, a simple and elegant process algebra, is used to specify five successive parallel versions of Brzozowski's sequential algorithm for constructing deterministic finite automata from regular expressions.
Download PDF file

The enterprise engineering domain
Enterprise engineering (EE) is emerging as a new discipline to address the design of the enterprise in a holistic way.
Download PDF file

ch_outputs/download/

An Ontology-based Key for Afropolitan Po...

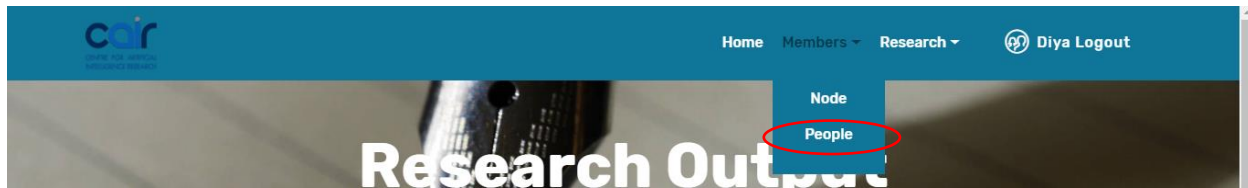
1. Click on the generate basic report tab.
2. Click on the "Download PDF" button.

Or

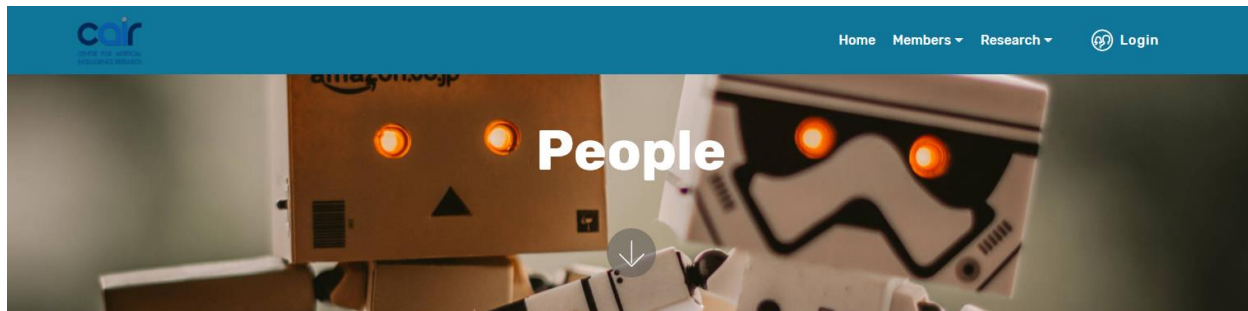
1. Click on the "generate basic report" link.

4 Access and navigate through members page

4.1 Navigate through people's page



1. Click on the "People" tab.



Profession

- Show all
- Researchers
- Associates
- Postdoctoral fellows
- Students
- Office Management
- Alumni

Member information

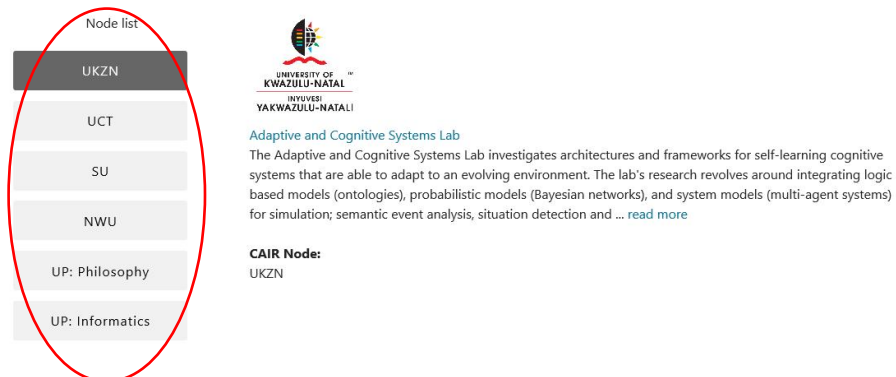
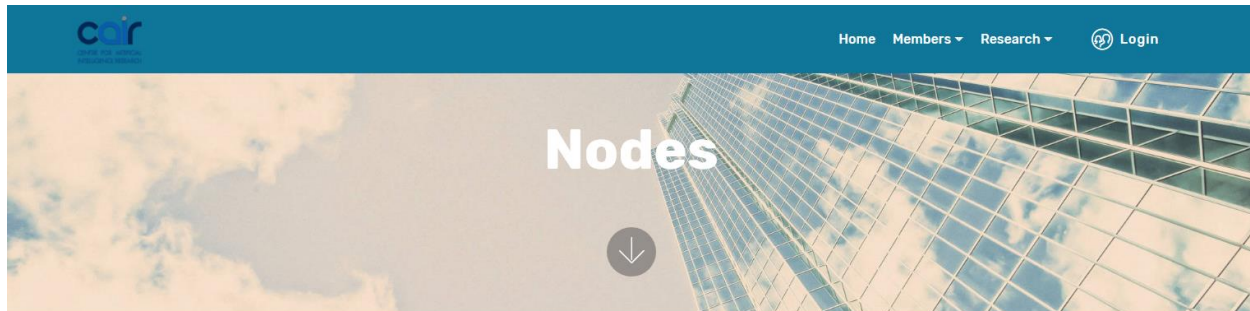
Book, Bonnie Role: CAIR Member Node: Applied Data Science, UP: Informatics Email: bookbook@gmail.com
Dean, Kyle Role: Node Administrator Node: Adaptive and Cognitive Systems Lab, UKZN Email: kyle.dean@gmail.com
Mabusi, Suzan Role: Node: Knowledge Representation and Reasoning, UCT Email: suzan.mabusi@gmail.com
Seeburrun, Diya Role: Office Management Node: Knowledge Acquisition, SU Email: diya.seeburrun@gmail.com
Williams, Dean Role: CAIR Member Node: Applied Data Science, UP: Informatics Email: dean.williams@gmail.com

2. Click on the buttons on the right hand side of the page to filter through the research outputs by their profession.

4.2 Navigate through the node's page



1. Click on the “Node tab”



2. Click on the different buttons on the page to filter through the nodes by the University they are based in.

5 Login as a CAIR member or as a Node administration



1. Click on the login tab.

A screenshot of the 'ACCOUNT LOGIN' form. The form is a white box centered on a light gray background. It contains fields for 'USERNAME' and 'PASSWORD', a 'Remember me' checkbox, a 'Forgot Password?' link, and a 'Login' button. The CAIR logo and navigation links are visible in the header above the form.

2. Enter username in the username field.
3. Enter password in the password field.
4. Click on login button.

5.1 Reset password

1. Click on the "Forgot password

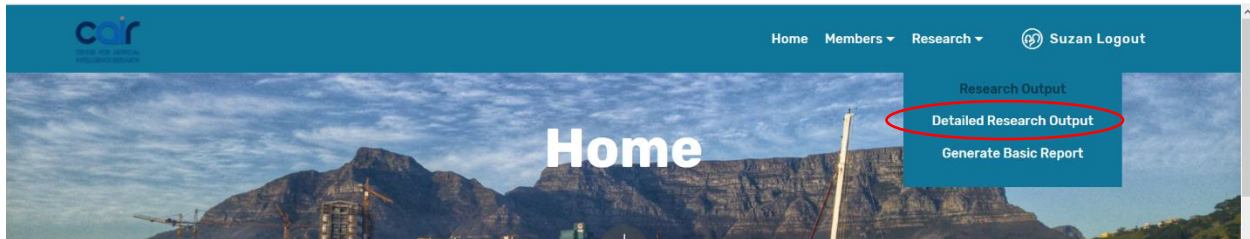
Enter your email address:

Reset password

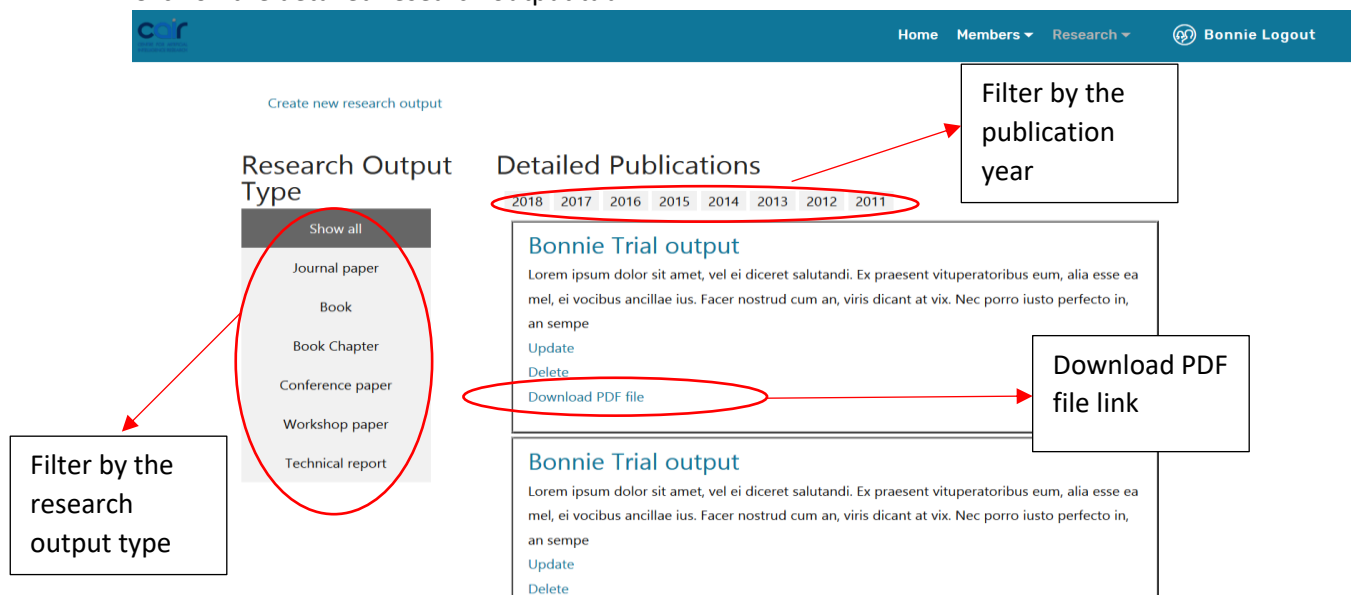
2. Enter email address in email address field
3. Click on the "Reset Password" button.

6 Access and navigate through page detailed research outputs page

1. If user is not logged in, then page will redirect user to log in page.



2. Click on the detailed research output tab



3. Click on the different buttons on the page to filter through the research output that the user is the author of. If user is a Node admin, they can view all the detailed research outputs from their node.
4. Click on the "Download PDF file" to download the pdf file.
5. Click on title of the detailed research output to view the detailed research output. The page shown below should appear showing whether a research output has been verified or not.

Title: Bonnie Trial output

Author: [Book, Bonnie](#)

Coauthor: Book, Bonnie & Mabus, Suzan & Seeburrun, Diya

Publication type: Paper

Year: 2018

Upload date: Aug. 23, 2017

Proof of verification: Verified

Verification link: <http://www.verified.co.za>

Abstract: Lorem ipsum dolor sit amet, vel ei diceret salutandi. Ex praesent vituperatoribus eum, alia esse ea mel, ei vocibus ancillae ius. Facer nostrud cum an, viris dicant at vix. Nec porro iusto perfecto in, an semper

Content: Lorem ipsum dolor sit amet, vel ei diceret salutandi. Ex praesent vituperatoribus eum, alia esse ea mel, ei vocibus ancillae ius. Facer nostrud cum an, viris dicant at vix. Nec porro iusto perfecto in, an semper mollis detraxit cum. Nam cu labores argumentum, vis et idque offendit occurreret, vis at modo referrentur. Primis alterum moderatius id mei. Nam quodsi feugiat liberavisse ne, sit ut soleat ancillae platonem, quem liber omittam ea sea. Nibh liber alterum eu est. Ad nam appetere vulputate complectitur, ne veri dicant voluptatum sea. Mel oblique mandamus constituto te, vidisse principes ex qui. Vim audire appareat id, vim quas impedit omittantur ne, minimum albucius maluisset has ea. Summo reprimique cu ius, id epicuri pertinax efficiantur has. Quem impedit ad pri, eos erat dicant laboramus ei. Ne eum cibo autem aperiri, albucius qualisque liberavisse nam ex. Et vim stet moderatius. Nam in mazim congue tincidunt, eos et movet qualisque aliquando, eam ne modo ancillae vituperatoribus. Eum tantas iriure tritani ex, nam et feugait inimicus, iudico semper ex eam. Sit ex novum atomorum cotidieque, in ullum causae epicurei his. Postea salatus constituam vim eu, duo stet veri democritum no. Per eu doctus facilis gubergren, ius dico vidit ea, duo ei etiam tibiue elaboraret. Pri ex invenire electram. Ex vis voluptua officiis mnesarchum. Eos latine appetere eu. Idque dolorum qui an, vel nemore luptatum hendrerit eu, nec et ipsum sonet voluptatibus. Tota pertinax at has, no viris senserit constituam has. Omnes facete pri eu, ea aequae denique mea, no dui solet accusamus usu. Vix ea alienum omnesque. Mei no odio integre.

7 Create new research output

[Create new research output](#)

Research Output Type

Show all

Journal paper

Book

Book Chapter

Conference paper

Workshop paper

Technical report

Detailed Publications

2018 2017 2016 2015 2014 2013 2012 2011

Bonnie Trial output

Lorem ipsum dolor sit amet, vel ei diceret salutandi. Ex praesent vituperatoribus eum, alia esse ea mel, ei vocibus ancillae ius. Facer nostrud cum an, viris dicant at vix. Nec porro iusto perfecto in, an sempe

[Update](#)

[Delete](#)

[Download PDF file](#)



Bonnie Trial output

Lorem ipsum dolor sit amet, vel ei diceret salutandi. Ex praesent vituperatoribus eum, alia esse ea mel, ei vocibus ancillae ius. Facer nostrud cum an, viris dicant at vix. Nec porro iusto perfecto in, an sempe

[Update](#)

[Delete](#)

1. Click on the “create new research output” link.

 Home Members ▾ Research ▾  Diya_KA00 Logout

Title:
Enter research output title

Author:
Select author

Coauthor:
Select co-author(s)

Publication type:
Select publication type


Year:
Select year


Upload date:
Enter or select upload date

Proof of verification:
Select proof of verification

Verification link:
Enter verification link

2. Fill in all the required fields.



HomeMembers ▼Research ▼ Diya_KA00 Logout

Verification link:

Enter verification link

Abstract:

Content:

Enter brief abstract

Enter research output content

Submit

3. Click on “submit” button.

8 Modify and delete research output


The screenshot shows the 'Detailed Publications' page. At the top, there is a navigation bar with 'Home', 'Members', 'Research', and a 'Bonnie Logout' button. Below the navigation bar, there is a link 'Create new research output'. On the left, there is a 'Research Output Type' sidebar with a 'Show all' button and a list of output types: 'Journal paper', 'Book', 'Book Chapter', 'Conference paper', 'Workshop paper', and 'Technical report'. The main content area shows a list of publications for the years 2018 to 2011. The first publication is 'Bonnie Trial output' from 2018. It has a description: 'Lorem ipsum dolor sit amet, vel ei diceret salutandi. Ex praesent vituperatoribus eum, alia esse ea mel, ei vocibus ancillae ius. Facer nostrud cum an, viris dicant at vix. Nec porro iusto perfecto in, an sempe'. Below the description are three links: 'Update', 'Delete', and 'Download PDF file'. Red arrows point from the 'Update' and 'Delete' links to boxes labeled 'Update link' and 'Delete link' respectively.

1. On the detailed research output page, click on the “delete” link on the desired research output.

The screenshot shows the research output form. At the top, there is a navigation bar with 'Home', 'Members', 'Research', and a 'Diya_KA00 Logout' button. The form has the following fields:

- Title:** A text input field containing 'CSP for Parallelising Brzozowski's DFA'.
- Author:** A dropdown menu showing 'Dean, Kyle'.
- Coauthor:** A dropdown menu showing a list of authors: 'Dean, Kyle', 'Mabusi, Suzan', 'Seeburrun, Diya', and 'Williams, Dean'.
- Publication type:** A dropdown menu showing 'Paper'.
- Year:** A dropdown menu showing '2018'.
- Upload date:** A text input field containing '2018-08-20'.
- Proof of verification:** A dropdown menu showing 'Verified'.
- Verification link:** A text input field containing 'http://www.verified.com'.

2. Make the necessary changes in the research output form.



[Home](#) [Members](#) [Research](#) [Diya_KA00 Logout](#)

Abstract:

successive parallel versions of Brzozowski's sequential algorithm for constructing deterministic finite automata from regular expressions.

Content:

Enter brief abstract

CSP, a simple and elegant process algebra, is used to specify five successive parallel versions of Brzozowski's sequential algorithm for constructing deterministic finite automata from regular expressions. Early versions were not sufficiently mature to easily map to a programming language. However, each version exposed

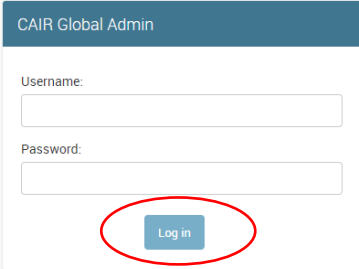
Enter research output content

Submit

3. Click on "submit" button.
4. On the detailed research output page, click on the "delete" link on the desired research output as shown in the screenshot for step 1.

9 Login as Global Administration

1. Click on the login tab.
2. Click on the “Go to Global Admin Login Page”.



CAIR Global Admin

Username:

Password:

3. Enter username in the username field.
4. Enter password in the password field.
5. Click on login button.

10 Add new CAIR Members and new Node Administrator

CAIR Global Admin

WELCOME, **DIYA** / VIEW SITE / CHANGE PASSWORD

Welcome to CAIR Global Admin Site

AUTHENTICATION AND AUTHORIZATION

Groups

+ Add

Change

Users

+ Add

Change

CBIB

Authors

+ Add

Change

Nodes

+ Add

Change

Research outputs

+ Add

Change

Recent actions

My actions

narudi

User

+ narudi

User

✗ Brad_KA00

User

narudi_KA00

User

+ Diya_KA00

User

1. Click on the “Add” button on the Users row.

CAIR Global Admin

WELCOME, **DIYA** / VIEW SITE / CHANGE PASSWORD / LOG OUT

Home : Authentication and Authorization : Users : Add user

Add user

First, enter a username and password. Then, you'll be able to edit more user options.

Username:

John

Required. 150 characters or fewer. Letters, digits and @/!/*-/_ only.

Password:

.....

Your password can't be too similar to your other personal information.
Your password must contain at least 8 characters.
Your password can't be a commonly used password.
Your password can't be entirely numeric.

Password confirmation:

.....

Enter the same password as before, for verification.

Save and add another

Save and continue editing

SAVE

2. Enter the username and password for the new user.
3. Click on the “save and continue editing” button.

Groups:

Available groups ?

Q Filter

CAIR Members

NodeAdministrators

Choose all ?

Chosen groups ?

Remove all

The groups this user belongs to. A user will get all permissions granted to each of their groups. Hold down "Control", or "Command" on a Mac, to select more than one.

User permissions:

Available user permissions ?

Q Filter

admin | log entry | Can add log entry

admin | log entry | Can change log entry

admin | log entry | Can delete log entry

auth | group | Can add group

auth | group | Can change group

auth | group | Can delete group

auth | permission | Can add permission

auth | permission | Can change permission

auth | permission | Can delete permission

auth | user | Can add user

auth | user | Can change user

auth | user | Can delete user

Choose all ?

Chosen user permissions ?

Remove all

Specific permissions for this user. Hold down "Control", or "Command" on a Mac, to select more than one.

For new CAIR members

For new Node admin

4. If the new user is just a CAIR member, then choose the CAIR member option.
5. If the new user is a node administrator, then press on the "choose all"
6. Press on the "Save" button.

11 Add new Nodes

CAIR Global Admin

WELCOME, DIYA [VIEW SITE](#) / [CHANGE PASSW](#)

Welcome to CAIR Global Admin Site

AUTHENTICATION AND AUTHORIZATION

Groups

+ Add [Change](#)

Users

+ Add [Change](#)

CBIB

Authors

+ Add [Change](#)

Nodes

+ Add [Change](#)

Research outputs

+ Add [Change](#)

Recent actions

My actions

[narudi](#)
User

+ [narudi](#)
User

[Brad_KA00](#)
User

[Diya_KA00](#)
User

+ [Diya_KA00](#)
User

1. Click on the “Add” button on the Nodes row.

Add node

Name:

Enter name

Location:

Enter location

Description:

Enter description

Node code:

Enter node code

Save and add another

Save and continue editing

SAVE

2. Fill in the appropriate fields.
3. Press on the “Save” button.

12 Modify or delete a user


CAIR Global Admin

WELCOME, **DIYA** [VIEW SITE](#) / [CHANGE PASSW](#)


Welcome to CAIR Global Admin Site

AUTHENTICATION AND AUTHORIZATION

Groups


+ Add  Change

Users


+ Add  Change

CBIB


Authors

+ Add  Change

Nodes


+ Add  Change

Research outputs

+ Add  Change

Recent actions


My actions

 narudi


User

+ narudi

User

 Brad_KA00

User

 Diya_KA00

User

+ Diya_KA00

User

1. Click on the “User” link

CAIR Global Admin

WELCOME, **DIYA** [VIEW SITE](#) / [CHANGE PASSWORD](#) / [LOG OUT](#)

Home › Authentication and Authorization › Users







Select user to change ADD USER +

Search

Action:

Go

 0 of 6 selected

<input type="checkbox"/>	USERNAME	EMAIL ADDRESS	FIRST NAME	LAST NAME	STAFF STATUS
<input type="checkbox"/>	Dean	dean.wood@gmail.com	Dean	Williams	
<input type="checkbox"/>	Diya	diya.seeburrun@gmail.com			
<input type="checkbox"/>	Diya_KA00				
<input type="checkbox"/>	John				
<input type="checkbox"/>	Kyle	DPLKYL002@myuct.ac.za			
<input type="checkbox"/>	narudi				

6 users

FILTER

By staff status

All

Yes

No

By superuser status

All

Yes

No

By active

All

Yes

No

By groups

All

CAIR Members

NodeAdministrators

2. Click on the user you want to modify or delete.

13 Modify and delete nodes

CAIR Global Admin

WELCOME, DIYA VIEW SITE / CHANGE PASSW

Welcome to CAIR Global Admin Site

AUTHENTICATION AND AUTHORIZATION

Groups

+ Add

Change

Users

+ Add

Change

CBIB

Authors

+ Add

Change

Nodes

+ Add

Change

Research outputs

+ Add

Change

Recent actions

My actions

narudi

User

+ narudi

User

✗ Brad_KA00

User

Diya_KA00

User

+ Diya_KA00

User

1. Click on “Nodes” link.

Action: Go 0 of 6 selected

<input type="checkbox"/>	NAME	LOCATION	DESCRIPTION	NODE CODE
<input type="checkbox"/>	Knowledge Representation and Reasoning	UP Philosophy	Members of the Philosophy node of CAIR at UP (PHIL@CAIR-UP) conduct research in the broad context of Knowledge Representation and Reasoning in the fields of: - Philosophy of AI - Epistemology - Philosophy of Science - Formal Logic - Philosophy of Mind	KRR1
<input type="checkbox"/>	Applied Data Science	UP Informatics	N/A	ADS0
<input type="checkbox"/>	Multilingual Speech Technologies	NWU	MuST is a research group focused on the creation and use of speech technologies in the lesser resourced languages of the world. It consists of North-West University researchers and students actively involved in multilingual speech technology research and collaborates with students and co-researchers spread across South Africa and abroad. While our application area is primarily speech technology, our research approach requires working at very different levels: • Basic research: statistical pattern recognition, machine learning, speech and language processing. • Technology development: resource collection, automatic speech recognition (ASR), text-to-speech (TTS). • Application development: speech applications, machine learning applications.	MST0
<input checked="" type="checkbox"/>	Knowledge Acquisition	SU	Knowledge Acquisition entails a range of techniques used to obtain domain knowledge. The CAIR node at Stellenbosch University conducts research in Knowledge Acquisition as it relates to Artificial Intelligence. Our focus is therefore on the study and use of AI techniques in Knowledge Acquisition, both within the host Department of Information Science and across departments and faculties at the University. At present, CAIR-SU conducts research in the following fields: - Algorithmics – the study and invention of accurate, efficient and correct algorithms; - Data Analysis – the transformation of data into useful information to support decision-making; - Knowledge Representation – the study of formal representation of and reasoning over information; - Machine Learning – the study of algorithms that can learn from and make predictions on data; - Visualization – the study of visual representations of abstract data to reinforce human cognition.	KA00
<input type="checkbox"/>	Knowledge Representation and Reasoning	UCT	KRR1 is a research group within the Centre for Artificial Intelligence Research focusing on modelling and reasoning with formal ontologies based on description logics. We also conduct research on the following related aspects of knowledge representation and reasoning: - belief revision; - cognitive robotics; - constraint solving; - information integration; - nonmonotonic and non-classical reasoning; - ontology construction; - reasoning about actions.	KRR0
<input type="checkbox"/>	Adaptive and Cognitive Systems Lab	UKZN	The Adaptive and Cognitive Systems Lab investigates architectures and frameworks for self-learning cognitive systems that are able to adapt to an evolving environment. The lab's research revolves around integrating logic based models (ontologies), probabilistic models (Bayesian networks), and system models (multi-agent systems) for simulation; semantic event analysis, situation detection and situation prediction; representation and reasoning of spatial-temporal event patterns and cognitive vision systems. The lab has a strong applied research focus and is currently engineering systems that support data fusion, data analysis and sense making in diverse application	ACSL

FILTER

By name

All

Adaptive and Cognitive Systems Lab

Applied Data Science

Knowledge Acquisition

Knowledge Representation and Reasoning

Multilingual Speech Technologies

By location

All

NWU

SU

UCT

UKZN

UP: Informatics

UP: Philosophy

2. Click on the node you want to modify or delete.

Change node

HISTORYVIEW ON SITE

Name:

Knowledge Representation and Reasoning

Enter name

Location:

UP: Philosophy

Enter location

Description:

Members of the Philosophy node of CAIR at UP (PHIL@CAIR-UP) conduct research in the broad context of Knowledge Representation and Reasoning in the fields of:

- Philosophy of AI

- Epistemology

- Philosophy of Science

- Formal Logic

- Philosophy of Mind

Enter description

Node code:

KRR1

Enter node code

Delete

Save and add another

Save and continue editing

SAVE

- To modify a node, make the necessary changes and click on the “Save” button to save the changes.
- To delete a node, click on the “Delete” button to delete user.