

PGRs Monthly meeting

April 2016

TODAY

- **Joao Santos** (Research Presentation):
- A quick **look** at the new “**PGRs Management System**”,
- **PGRs Blog**.
- **Discussion of the activities plan**.
- Update and plan for the “**Showcase Event**”
- Announcements, AOB, & closing

Welcome

- **Welcome to any new PGR member.**

PGRs presentations

Joao Santos (Research Presentation):

Title: Life-long Spatio-temporal Exploration of Dynamic Environments: An overview.

Abstract: The primary purpose of robotic exploration is to autonomously acquire a complete and precise model of the robot's operational environment. To explore efficiently, the robot has to direct its attention to environment areas that are currently unknown. If the world was static, these areas would simply correspond to previously unvisited locations. In the case of dynamic environments, visiting all locations only once is not enough, because they may change over time. Thus, dynamic exploration requires that the environment locations are revisited and their (re-) observations are used to update a dynamic environment model. However, revisiting the individual locations with the same frequency and on a regular basis is not efficient because the environment dynamics will, in general, not be homogeneous, (i.e. certain areas change more often and the changes occur only at certain times). Similarly to the static environment exploration, the robot should revisit only the areas whose states are unknown at the time of the planned visits. Thus, the robot has to use its environment model to predict the uncertainty of the individual locations over time and use these predictions to plan observations that from a theoretical point of view improve its knowledge about the world's dynamics. Hence, the observations are scheduled in order to obtain information about the environment changes, which are mainly caused by human-activity. As a consequence, using schedules motivated by the changes in metric maps increases the chance to extract dynamics that are essential for object learning and activity recording tasks.

PGRs Management System

<http://pgr.network.uni/>

PGR Management System

stem

Dr Amr Ahmed

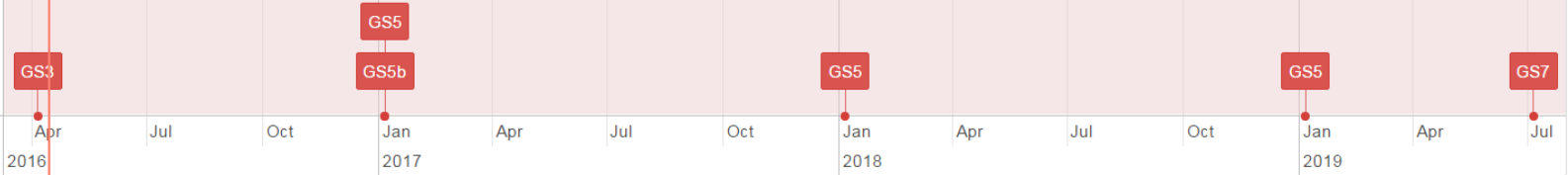


Mr Test PGR PGR11111111 Student Year 1 MPhil-PhD

Successfully updated this student

2016-01-06 to 2020-01-06

Expected



Events & Supervisors

History & Absences

Profile

All events

Form	Start	End	Created	Submitted	Approved	Supervisors
GS7	2019-06-29	2019-07-13	2019-07-06			1 Dr Amr Ahmed 2 Mr Jamie Lord
GS5	2018-12-30	2019-01-13	2019-01-06			1 Dr Amr Ahmed 2 Mr Jamie Lord
GS5	2017-12-30	2018-01-13	2018-01-06			1 Dr Amr Ahmed 2 Mr Jamie Lord
GS5	2016-12-30	2017-01-13	2017-01-06			1 Dr Amr Ahmed 2 Mr Jamie Lord
GS5b	2016-12-30	2017-01-13	2017-01-06			1 Dr Amr Ahmed

Supervisors


Current 2 Previous 0 All 2

Supervisor	Order	Start
Dr Amr Ahmed	1	2016-01-06
Mr Jamie Lord	2	2016-02-10

Add new supervisor

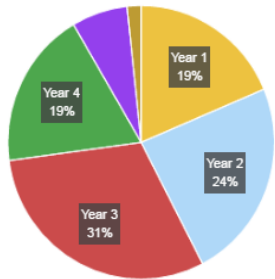
PGR Management System

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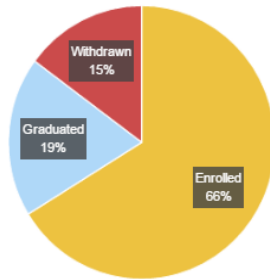
Dr Amr Ahmed 

Administrator Dashboard

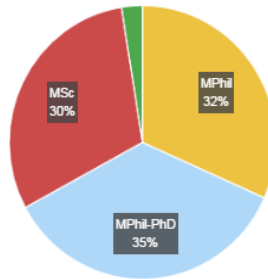
Current year



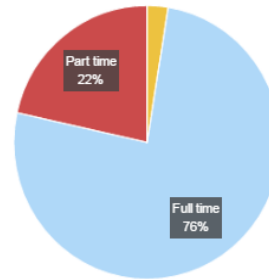
Enrolment status



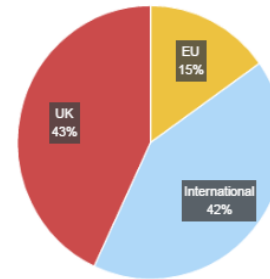
Awards



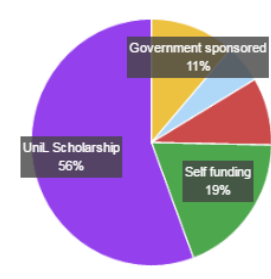
Mode of study



UKBA status



Funding type



 **Students**
Student management
[View Details](#) 

 **Staff**
Staff management
[View Details](#) 

 **Events**
Events overview
[View Details](#) 

 **Reports**
Generate reports
[View Details](#) 

PGR Management System

Postgraduate Management System

Dashboard

All Students

All Upcoming Events

All Staff

Reports

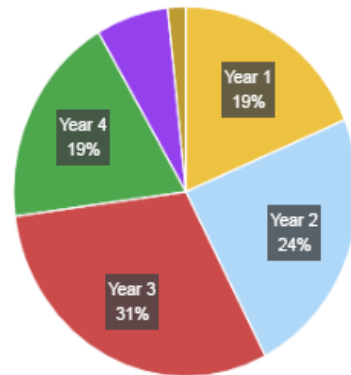
Import

Management

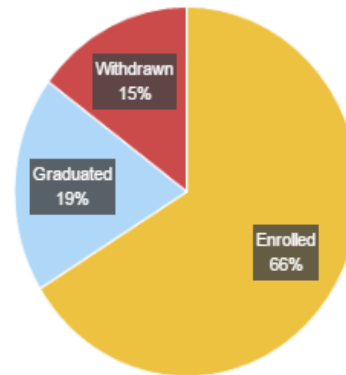


Administrator Dashboard

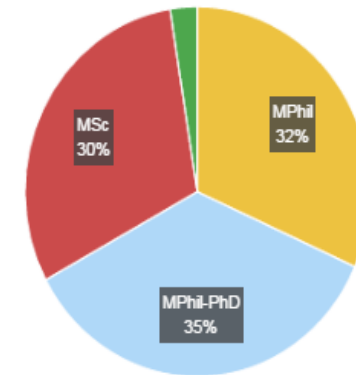
Current year



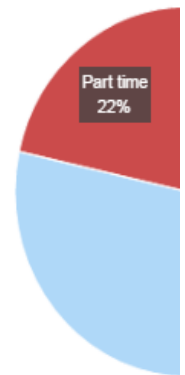
Enrolment status



Awards



Mode of study



Students



PGRs Blog

<http://postgraduates.socs.blogs.lincoln.ac.uk/>

PGR Blog

postgraduates.socs.blogs.lincoln.ac.uk

Apps Google Hamlyn Centre Laparc datasets [DOKUWIKI] Object Recognition in SIFT Flow: Dense Corn Other bookmarks

Create a Site My Sites Postgraduates by Research 2 + New Howdy, Amr Ahmed


UNIVERSITY OF LINCOLN SCHOOL OF COMPUTER SCIENCE, POSTGRADUATES BY RESEARCH

Presentation Schedule Progression Panel Students Reps Useful Links & Documents

Farewell and Thank You

Published by Amr Ahmed on March 13, 2016 at 12:26 pm 0 comments

At the end of the March's meeting, we had a Farewell and Thank You for previous "PGRs Students Reps" and PGRs who have been helping in various activities, including Reading Group, trips, coffee mornings, and the showcase.



- PGRs Representatives:

Search this blog

Search term... Search

Recent Posts

- Farewell and Thank You
- PGRs meeting and Research Presentations – March. 2016
- PGRs meeting and Research Presentations – Feb. 2016
- PGRs meeting and Research Presentations – Nov. 2015
- StatsDay (Statistics Session)

Recent Comments

Activities Plan

Flash Back

- This regular **monthly meetings.**
- **Reading group.**
- Showcase events.
- **Coffee Mornings:** Witham Wharf, MHT,...
- Trips

Flash back Showcase Event



mass

Google
UK

SIEMENS

QinetiQ



IONDRIVE
SOFTWARE SOLUTIONS

artsgraphica
interactiv

HERITAGE LINCOLNSHIRE



HACKTHORN INNOVATION
GE imagination at work

Prodigy
LEARNING



BRANDFOUR

tjs

Flash back PGRs Trip



MORE....

- Improving the regular sessions :
 - more **demos** and hands-on **tutorials**:
 - **ROS** (Robotics Operating System),
 - **Kinect**,etc.
 - Repeating the useful sessions such as "**Latex**", **Matlab**, and **Weka** (and similar Machine Learning tools) regularly, especially for new entry PGRs.
 - Spoke to staff colleagues to contribute to these sessions, including e.g.:
 - "**Parallel Computing**" (which has been provisionally agreed upon to run in the summer).
 - **Machine Learning**

Showcase Event

Flash back Showcase Event



mass

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IONDRIVE
SOFTWARE SOLUTIONS



HERITAGE LINCOLNSHIRE

GE
GE imagination at work

HACKTHORN INNOVATION

Prodigy
LEARNING

BRANDFOUR

tjs

5th May 2016

Showcase Event



mass

Google
UK

SIEMENS

QinetiQ



HERITAGE LINCOLNSHIRE



HACKTHORN INNOVATION
GE imagination at work

tjs

5th May 2016

Showcase Event

Sign up for:

- **Presenting** (Demo and/or Poster)
- **Helping** (before/on/after the day)



HACKTHORN INNOVATION
GE imagination at work



Announcements

Announcement

- Amr : PGRs Program Leader.
(since 2012/13):
 - Founded & established the role.
 - Developing the PGRs community.

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- Amr : PGRs Program Leader.
(since 2012/13):
 - Founded & established the role.
 - Developing the PGRs community.
- Amr : **Chair of the** School Progression Panel
 - New.
 - Established the Panel.
 - Working smoothly.

Announcement

- **New** PGRs Program Leader.
- **New Chair of the** School Progression Panel

Announcement

- **New PGRs Program Leader.**
 - Dr Massoud Zolgharni

- **New Chair of the School Progression Panel**
 - Dr Marc Hanheide

Announcement

- Any **feedback on the PGR forms** → email Jane
(CC me please to follow up)

Announcement

- Annual **Showcase Event** **5th May** 2016:
 - Sign up for video/interactive demo (or Poster and/or presentation)
 - Sign up for helping (before, during and after the event)

AOB ?

THANK YOU