



Professional growth and advancement at university research centres

# Why are you here?

- You want to change jobs
- Interested in research centres
- Career pathways and advancement
- Assess your current skillset
- Build new skills
- Move sideways from academia
- Move sideways from professional role



**OPTiMA**

ARC TRAINING CENTRE IN  
OPTIMISATION TECHNOLOGIES  
INTEGRATED METHODOLOGIES  
AND APPLICATIONS



# OPTiMA

ARC TRAINING CENTRE IN  
OPTIMISATION TECHNOLOGIES  
INTEGRATED METHODOLOGIES  
AND APPLICATIONS

## Charlotte Hurry

## Business and Operations Manager



**MONASH**  
University



**Australian Government**  
**Australian Research Council**



## What are the positives?

- Interesting research
- Part of something important
- Variety of work
- Autonomy
- Flexibility
- Room for professional development and innovation
- Upskill



**OPTiMA**

ARC TRAINING CENTRE IN  
OPTIMISATION TECHNOLOGIES  
INTEGRATED METHODOLOGIES  
AND APPLICATIONS



- Academic Centre of Cyber Security Excellence
- Australia-China Centre For Maritime Engineering (ACCME)
- Australia-US Multidisciplinary University Research Initiative (AUSMURI) on Neuro-Autonomy
- ARC Dairy Innovation Hub
- ARC Digital Bioprocess Development Hub
- ARC Training Centre for Advanced Manufacturing of Prefabricated Housing
- ARC Training Centre in Cognitive Computing for Medical Technologies
- ARC Training Centre for Medical Implant Technologies
- Centre for Artificial Intelligence and Digital Ethics
- Centre for Disaster Management and Public Safety
- Centre for Spatial Data Infrastructures and Land Administration
- Cloud Computing and Distributed Systems (CLOUDS) Laboratory
- Defence Science Institute

- ARC CoE for Climate Extremes
- ARC CoE for Dark Matter Particle Physics
- ARC CoE for Exciton Science
- ARC CoE for Mathematical and Statistical Frontiers
- ARC CoE for Particle Physics at the Terascale
- ARC CoE for Quantum Computation and Communication Technology
- Centre for Artificial Intelligence and Digital Ethics
- Centre of Excellence for Biosecurity Risk Analysis
- Melbourne Centre for Data Science
- Centre for Anthropogenic Pollution Impact and Management
- Australian Centre for Advanced Photovoltaics (ACAP)

Hundreds of research centres at UoM

## Types of research centres

Many research centres are of international standing and Cooperative Research Centres (CRCs) that represent joint ventures between universities, industry and government bodies in Australia.

- ARC Centres of Excellence
- ARC Industrial Transformation Training Centres
- Research Institutes



What do we do in research centres?

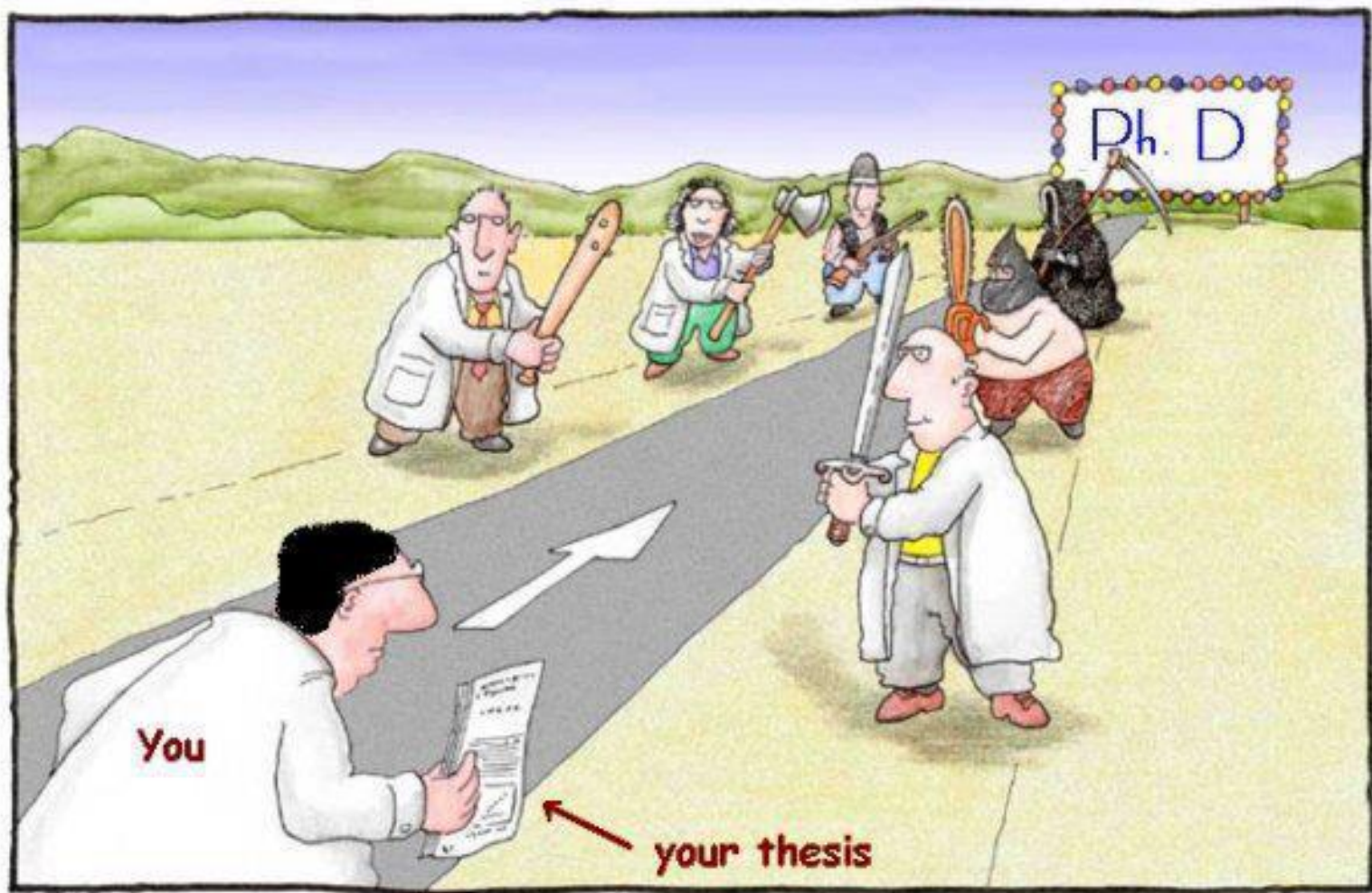




# Governance



# PhD & ECA SUPPORT



# OPTIMA-CON 2024

Permalink: <https://optima.org.au/optima-con-2024/>

CLASSIC MODE

WPBaker

0

# WEBSITE UPDATES



10-12 July

The inaugural OPTIMA (Optimisation Training Centre in Optimisation Technologies, Integrated Methodologies, and Applications) (OPTIMA). The conference will run from 8:30am-5:30pm daily. OPTIMA-CON 2024 brings together industry professionals, researchers, and students from various national and international institutions. There will be a strong career and industry focus in this conference to build work readiness and connect industry with future leaders in optimisation. A diverse range of workshops, presentations and discussion groups will be held during the conference designed to foster meaningful collaborations and knowledge transfer between academia and the private sector. Optimisation challenge workshops based on real industry problems will bring students and industry together in a common goal. The conference will provide a conducive environment for networking, allowing attendees to establish connections with potential research collaborators. Informal interactions, such as coffee breaks and social events, create opportunities for participants to initiate discussions, exchange ideas, and explore possibilities for future joint research projects such collaborations can contribute to the national economy by driving innovation and addressing industry challenges. There will be no one theme at the inaugural OPTIMA conference as we aim to bring together optimisation professionals from across disciplines.

Publish [^](#) [v](#) [▲](#)  
[Preview Changes](#)

Status: **Published** [Edit](#)  
Visibility: **Public** [Edit](#)  
Revisions: **16** [Browse](#)  
Published on: Jul 24, 2023 at 14:11 [Edit](#)

[Copy to a new draft](#)  
[Rewrite & Republish](#)  
[Move to Trash](#) [Update](#)

Categories [^](#) [v](#) [▲](#)  
[All Categories](#) [Most Used](#)  
[+ Add New Category](#)

Page Attributes [^](#) [v](#) [▲](#)  
Parent   
Order   
Need help? Use the Help tab above the screen title.



- Dashboard
- Uncode Child
- Posts
- Portfolio
- Content Block
- Galleries
- Media
- ThumbPress
- Forms
- Pages
- All Pages
- Add New
- Categories
- Taxonomy Order
- Comments
- Contact List
- M.E. Calendar
- Staff
- Jobs
- Appearance
- Plugins
- Users
- Profile Builder
- Tools
- WPBakery Page Builder
- Settings

# OUTREACH



## OPTiMA SEMINAR SERIES

*COURIER ROUTE OPTIMISATION  
PROBLEMS WITH LOADING BAY  
INFORMATION AND RESERVATION  
SYSTEMS*

DR JOYCE ZHANG

WED 09 FEB 2022 4PM - 5PM AEST

ZOOM MEETING ID: 873 1557 5255; PASSWORD: 778635



# How to pitch your PhD

WED 26 OCT 2022 1:30 - 2:30PM

ROOM 7320, LEVEL 7 AT MELBOURNE CONNECT

PRESENTED BY DR. CAROLIN SÜDKAMP-BALDONI (SHE/HER)

[OPTIMA.ORG.AU/OUTREACH-AND-EVENTS/](https://optima.org.au/outreach-and-events/)

AFTERNOON  
TEA PROVIDED



Image by rawpixel.com on Freepik



# TRAINING

# BUSINESS DEVELOPMENT

---



# FINANCES

Year 1 - 2018/19				Year 2 - 2019/20				Year 3 - 2020/21				Year 4 - 2021/22			
Qty	FTE	\$		Salary	FTE	\$		Salary	FTE	\$		Salary	FTE		
8,663	45%	\$	62,398	\$	142,823	45%	\$	64,270	\$	147,108	45%	\$	66,198	\$	151,521
5,637	25%	\$	28,909	\$	119,106	25%	\$	29,777	\$	122,679	15%	\$	18,402	\$	126,360
7,249	40%	\$	50,900	\$	131,066	40%	\$	52,427	\$	134,998	15%	\$	20,250	\$	139,048
0,000	40%	\$	40,000	\$	103,000	40%	\$	41,200	\$	106,090	40%	\$	42,436.00	\$	109,272.70
		\$	182,207				\$	187,673				\$	147,286		
Rate	FTE	\$		Benefits Rate	FTE	\$		Benefits Rate	FTE	\$		Benefits Rate	FTE		
9.24%	45%	\$	24,485	40.42%	45%	\$	25,976	41.63%	45%	\$	27,558	42.88%			
2.84%	25%	\$	15,276	54.43%	25%	\$	16,206	56.06%	15%	\$	10,316	57.74%			
9.24%	40%	\$	19,973	40.42%	40%	\$	21,189	41.63%	15%	\$	8,430	42.88%			
2.84%	40%	\$	21,136	54.43%	40%	\$	22,423	56.06%	40%	\$	23,789	57.74%			
		\$	80,870			\$	85,795			\$	70,093				
		\$	<b>263,077</b>			\$	<b>273,468</b>			\$	<b>217,379</b>				
Qty	FTE	\$		Salary	FTE	\$		Salary	FTE	\$		Salary	FTE		
8,000	80%	\$	46,400	\$	59,740.00	80%	\$	47,792	\$	61,532.20	80%	\$	49,226	\$	63,378.17
		\$	46,400				\$	47,792				\$	49,226		
Rate	FTE	\$		Benefits Rate	FTE	\$		Benefits Rate	FTE	\$		Benefits Rate	FTE		
2.84%	80%	\$	24,518	54.43%	80%	\$	26,011	56.06%	80%	\$	27,595	57.74%			
		\$	24,518			\$	26,011			\$	27,595				
		\$	<b>70,918</b>			\$	<b>73,803</b>			\$	<b>76,821</b>				
		\$				\$				\$					
		\$	16,433			\$	17,255			\$	18,117				
		\$	50,000			\$	100,000			\$	100,000				
		\$	120,000			\$	120,000			\$	120,000				
		\$	20,000			\$	20,000			\$	20,000				
		\$	206,433			\$	257,255			\$	258,117				
		\$				\$				\$					
		\$	100,000			\$	350,000			\$	350,000				
		\$	100,000			\$	350,000			\$	350,000				
		\$	<b>640,428</b>			\$	<b>954,526</b>			\$	<b>902,317</b>				
		\$	<b>565,428</b>			\$	<b>604,526</b>			\$	<b>552,317</b>				
		\$	322,294			\$	344,580			\$	314,821				
		\$	962,722			\$	1,299,105			\$	1,217,137				

ADMIN





# MARKETING & COMMUNICATIONS



Home

Shorts

Subscriptions

Library

History

Your videos

Watch Later

Your clips

Show more

Subscriptions

AIOSEO

Browse channels

Explore

Trending

Music

Movies & TV

Gaming

News

Sport

Learning

Fashion & beauty

More from YouTube

More from YouTube

OPTIMA ARC

@optimaarc 170 subscribers 60 videos

OPTIMA addresses industry's urgent need for decision-making tools to sup...

of a... and... 4... links

HOME

VIDEOS

PLAYLISTS

COMMUNITY

CHANNELS

Why partner with OPTIMA?

Prof. Kate Smith-Miles  
OPTIMA Director

A lot of our Industry Partners have decision problems that they're grappling with and these

0:02 / 2:30

Why partner with OPTIMA?

119 views • 5 months ago

OPTIMA ARC is offering partner... oportu...  
organisations that could benefit from...  
and technologies. We ask OPTIMA Di...  
Smith-Miles and OPTIMA Deputy Director Prof...  
Stuckey about how OPTIMA...  
transformation and innova...  
with OPTIMA. ...  
READ MORE

Videos ▶ Play all

OPTIMA

OPTIMA SERIES

Knapsack problems as nondeterministic sequential decision  
Yusuf Muryama  
WED 30 AUGUST 2023 11:39 (AEST) 46:45

OPTIMA

OPTIMA SERIES

Addressing Challenges of Cutting Natural Stone Panels  
Maria Antonia Carravilla  
WED 9 AUG 2023 16:00 (AEST) 27:15

OPTIMA

OPTIMA SERIES

Creating a smart water grid - bringing the environment, people and money together  
Prof. Tim Fletcher  
WED 2 AUG 2023 18:00 (AEST) 27:15

Knapsack problems as nondeterministic sequential...  
54 views • 11 days ago

Addressing Challenges of Cutting Natural Stone Panels  
22 views • 3 weeks ago

Creating a smart water grid - bringing the environment, people and money together  
28 views • 1 month ago

Introduction to OPTIMA ▶ Play all

Industry PhD projects  
5:15

Why partner with OPTIMA?  
2:31

What is OPTIMA?  
3:24

PhD Projects with Industry Partners

Why partner with OPTIMA?  
OPTIMA ARC

What is OPTIMA?  
OPTIMA ARC

Centre  
Manager  
Role!

Is It For You?

- Generalist
- Autonomy
- Self-starter
- Self-confidence



**OPTiMA**

ARC TRAINING CENTRE IN  
OPTIMISATION TECHNOLOGIES  
INTEGRATED METHODOLOGIES  
AND APPLICATIONS

UGRD

none

mechanical engineering

commerce

marketing

science

business

environmental science

spanish philology

medicinal chemistry

anthropology



OPTiMA

ARC TRAINING CENTRE IN  
OPTIMISATION TECHNOLOGIES  
INTEGRATED METHODOLOGIES  
AND APPLICATIONS

PhD

agriculture

soil science

public policy

agribusiness

mol biol

medicinal chemistry

medical supply chain management

masters

biochem

none



OPTiMA

ARC TRAINING CENTRE IN  
OPTIMISATION TECHNOLOGIES  
INTEGRATED METHODOLOGIES  
AND APPLICATIONS

Jobs

research fellow  
manager

executive officer

event coordinator

research administration

business development

student administration

human resources

project management

engagement



OPTiMA

ARC TRAINING CENTRE IN  
OPTIMISATION TECHNOLOGIES  
INTEGRATED METHODOLOGIES  
AND APPLICATIONS

# What next?

- Research the research centres
- Ask for position descriptions
- Find a mentor
- Upskill
  - TrainMe,
  - LinkedIn Learning,
  - say yes to an opportunity
- Don't worry about the KSC
- Start at an entry level role
- Be confident in your abilities



**MONASH**  
University



**Australian Government**  
**Australian Research Council**

## PROFESSIONAL STAFF



Fleur Morrison

Communications and Media Officer  
(University of Melbourne)  
Email: [fleur.morrison@unimelb.edu.au](mailto:fleur.morrison@unimelb.edu.au)  
Mobile: 0421 118 233



Jade McKenzie

Jade is the Database Administrator for the Centre and the SABRE South Experiment



Mary Odium

Finance Manager



Jackie Bondell

Education and Outreach Coordinator  
Email: [jackie.bondell@unimelb.edu.au](mailto:jackie.bondell@unimelb.edu.au)



Anita Vecchies

Anita Vecchies is the Centre's Chief Operating Officer. She has worked in research administration at the University of Melbourne since 2008.



# Questions?



**MONASH**  
University



**Australian Government**  
**Australian Research Council**

