

ACE Forum Women in Research and Higher Degrees

CHOOSEMATHS

Inge Koch

23 June 2017

AMSI

- The Australian Mathematical Sciences Institute (AMSI) was established in 2002 at the University of Melbourne
- AMSI has 39 members including
 - 13 universities
 - University mathematics departments/schools,
 - AMT, MERGA,
 - AustMS, ANZIAM, SSA
 - Australian Bureau of Statistics, Bureau of Meteorology, Reserve Bank of Australia
 - CSIRO, DST Group
- AMSI works with State and Federal Governments
- AMSI has strong links with many industry sectors

AMSI + BHP Billiton Foundation → **CHOOSEMATHS**

BHP Billiton Foundation invests \$22 million from 2015-2019
with the aim of

Increasing female participation in mathematics and STEM

- in school
- throughout university
- In the workplace

About **CHOOSEMATHS**

<http://teachers.choosemaths.org.au/>

The Components of CHOOSEMATHS

Mathematics-Ready Teacher PD

Career-Awareness Campaign

Women in Mathematics Network

CHOOSEMATHS Awards for excellence in teaching and learning of mathematics

Gender & Statistics Research

AMSI Flagship Events

- Summer School
in January for honours & graduate students
- Winter School
in June/July for PhD students
- BioInfosummer
in December
- Optimise
in June/July

AMSI Flagship Events and CHOOSEMATHS

- Travel Grants/Scholarships for female participants
- Enabling female students/young female academics with children and other carer duties to participate

CHOOSEMATHS: Women in Maths Exchange

- Meetings with
 - all female participants
 - Local female honours/masters/graduates
 - (Junior) female academics
- What do we do...
 - Career pathways
 - Networking
 - Exchange of ideas ...
- AMSI Intern
- Pizza
- CHOOSEMATHS Women in Maths Network:

Dr Julia Collins

CHOOSEMATHS Ambassadors

- Mentor program & Career awareness
- Currently looking for mentors
Undergraduates, graduates, postdocs, academics, industry, government employees etc
- Mentors will work in circles
Enthusiastic and knowledgeable about mathematics
- Mentees
Years 9&10 and Years 11&12 students around Australia
- **CHOOSEMATHS** Ambassador program:
Dr Julia Collins

CHOOSEMATHS Research

- Research into
- Gender and Mathematics Education
- Statistics research: **Dr Ning Li**
 - Data analysis
 - Research Activities in Schools
 - Small student projects
 - Joint Honours or PhD supervision