Australian Informatics Olympiad Committee (AIOC)

The AIOC administers the Computational and Algorithmic Thinking (CAT) and Australian Informatics Olympiad (AIO), conducts the invitational training program and coordinates Australia's entry to the annual IOI. Its membership includes academics, AIOC state directors, the Director of Training, chairs of the Problems Committees and representatives of the these committees. The committee meets in May in Canberra.

- **CAT Problems Committee** creates, selects and refines the problems for this competition. The committee meets in Canberra each August to prepare for the following year. The chair prepares a draft of problems and solutions, which is reviewed by moderators.

- **AIO Problems Committee** is responsible for the problems, test data and marking for this programming competition. The committee meets in May in Sydney and further moderation is coordinated online.

- **AIIO Problems Committee** creates, selects and refines the problems sets and test data for the Australian Invitational Informatics Olympiad (AIIO) and AIOC Selection exams. The committee meets in January in Sydney. Further moderation of problems and test data is coordinated online.

All travel, accommodation and meals for committee meetings are arranged and paid for by AMT.

For further information about these committees, please contact the following:

AMC contact:

Adj Prof Mike Clapper
mike.clapper@amt.edu.au

MCYA, AIMO contact:

Dr Kevin McAvaney
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CAT contact:

Dr David Clark
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AIIO contact:

Chris Chen
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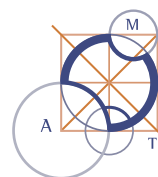
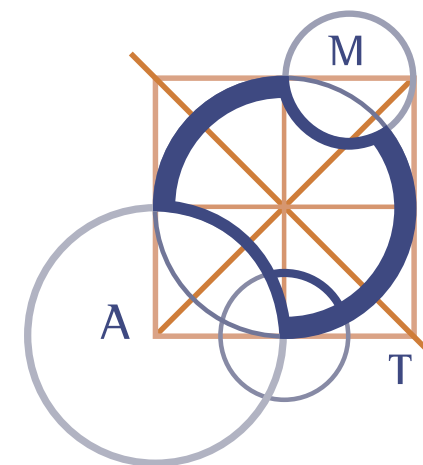# Volunteer committees

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AUSTRALIAN MATHEMATICS TRUST

OUR VISION

The vision of the Australian Mathematics Trust (AMT) is to challenge and encourage students in the study of mathematics and informatics in the hope that they will realise their full potential. We offer school-based competitions and enrichment materials, and by invitation, extension programs, training schools, mentoring and opportunities to participate and develop in mathematics or informatics to a national level.

ABOUT US

The AMT is a not-for-profit organisation based at the University of Canberra with representatives on its board from the Australian Association of Mathematics Teachers, Australian Academy of Science and the Australian Mathematical Society. It is supported by a vast network of volunteers from Australia and around the world, including members of professional mathematics societies, educators and educational organisations.

The best-known activity of the AMT is the Australian Mathematics Competition (AMC), however the AMT also incorporates the Australian Mathematical Olympiad Committee (AMOC) and the Australian Informatics Olympiad Committee (AIOC). These committees conduct programs of activities in mathematics and informatics (computer science), culminating in the selection of teams represent Australia at the International Mathematical Olympiad (IMO) and the International Olympiad in Informatics (IOI).

AREAS OF FOCUS

Australian Mathematics Foundation (AMF)

The AMF administers the AMC. Its membership includes mathematicians, AMC state directors, chairs of Problems Committees and representatives of the Problems Committee. The AMF meets once per year in June/July.

- **AMC Primary Problems Committee** is responsible for creating, workshopping, selecting and refining problems for the primary competition. Members of the committee meet for a weekend in Sydney once per year to prepare for the following year. Moderators review and refine the problems once per year according to a specific timeline. There are two levels of moderation.

- **AMC Secondary Problems Committee** is responsible for creating, workshopping, selecting and refining the problems for the secondary competition. Members meet for a weekend in Canberra in May and a small subgroup meets again in August, in preparation for the following year. There are three levels of moderators who review the problems once per year.

The AMT relies on funding from a number of sources including competition entry fees, sale of publications and sponsorship.

Australian Mathematical Olympiad Committee (AMOC)

AMOC administers the Mathematics Challenge for Young Australians (MCYA), the Australian Intermediate Mathematics Olympiad (AIMO) and conducts the invitational training program which prepares students at a higher level and culminates with the selection and final preparation of students for Australia's team for the annual IMO. Its membership includes mathematicians, state directors, the Director of Training, chairs of the Problems Committees, AMF representative, and representatives of the Problems Committees.

- **Challenge Committee** is responsible for creating, selecting and refining problems for the Challenge stage of the MCYA program. The committee is a unique mix of experienced teachers and academics that have a passion for mathematics enrichment. The committee meets over three weekends a year to prepare the problems for the following year. Three levels of moderators review and refine the problems.

- **AIMO Committee** is responsible for creating, selecting and refining problems for the AIMO paper. It meets twice in March in Melbourne. The chair prepares a draft of problems and solutions, which is reviewed by moderators.

- **Senior Problems Committee** collects, creates, develops, moderates and selects problems for the AMOC Senior Contest and the Australian Mathematical Olympiad (AMO). In addition, the committee's Problem Pool is used for other competitions. The committee meets in October in Canberra.