

# AAAC Timetable

## Monday 21 January

|             | Room 1                                 | Room 2               | Room 3               |
|-------------|--|----------------------|----------------------|
| 08:00–09:30 | <b>Registration</b>                    |                      |                      |
| 09:30–10:00 | <b>Opening</b>                         |                      |                      |
| 10:00–10:55 | Geordie Williamson                     |                      |                      |
| 11:00–11:30 | <b>Coffee break — with group photo</b> |                      |                      |
| 11:30–12:15 | Nik Ruškuc                             | Jon Berrick          | Paul Smith           |
| 12:20–13:05 | Anne Thomas                            | Thomas Hüttemann     | Yanan Lin            |
| 13:05–14:00 | <b>Lunch — provided</b>                |                      |                      |
| 14:00–14:45 | Richard Garner                         | Yanhua Wang          | Xiao-Wu Chen         |
| 14:50–15:35 | Carmen Amarra                          | Susan Sierra         | Nan Gao              |
| 15:35–16:00 | <b>Coffee break</b>                    |                      |                      |
| 16:00–16:25 | Sri Wahyuni                            | Ardeline M. Buhphang | Sumit Kumar Upadhyay |
| 16:30–16:55 | Alex Bishop                            | Jocelyn Vilela       | Dang Van Vinh        |
| 17:00–17:25 | Aparna Pradeep                         | Alfilgen Sebandal    | Fajar Yuliawan       |

## Tuesday 22 January

|             | Room 1                   | Room 2            | Room 3          |
|-------------|--------------------------|-------------------|-----------------|
| 08:30–09:00 | <b>Registration</b>      |                   |                 |
| 09:00–09:55 | Ian Wanless              |                   |                 |
| 10:00–10:30 | <b>Coffee break</b>      |                   |                 |
| 10:30–11:15 | Dan Yan                  | Masoud Kamgarpour | Heiko Dietrich  |
| 11:20–12:05 | Hua-Lin Huang            | Ramesh Sreekantan | Murray Elder    |
| 12:10–12:55 | Yu Ye                    | Takao Yamazaki    | Michael Giudici |
| 13:00–14:00 | <b>Lunch</b>             |                   |                 |
| 14:00–14:45 |                          | Masanori Asakura  | Marcel Jackson  |
| 14:50–15:35 | Robert McDougall         | Noriyuki Otsubo   | Tim Stokes      |
| 15:40–16:05 | Lauren Thornton          | Ryojun Ito        | Yoong Kuan Goh  |
| 16:05–18:00 | <b>Wine reception</b>    |                   |                 |
| 18:00–18:30 | Walk to restaurant       |                   |                 |
| 18:30–21:30 | <b>Conference dinner</b> |                   |                 |

Timetable

### Wednesday 23 January

|             | Room 1   | Room 2       | Room 3       |
|-------------|--|--------------|--------------|
| 09:00–09:55 | Cheryl E. Praeger  |              |              |
| 10:00–10:30 | <b>Coffee break</b>  |              |              |
| 10:30–11:15 | David Easdown  | Hourong Qin  | Oded Yacobi  |
| 11:20–12:05 | Lev Shneerson  | A. A. Ambily | Hai Bui Xuan |
| 12:10–14:00 | <b>Lunch</b>   |              |              |
| 14:00–      | <b>Conference excursion — ferries leave wharf at 14:38 and 15:38</b> |              |              |

### Thursday 24 January

|             | Room 1              | Room 2                  | Room 3            |
|-------------|---------------------|-------------------------|-------------------|
| 09:00–09:55 | George Willis       |                         |                   |
| 10:00–10:30 | <b>Coffee break</b> |                         |                   |
| 10:30–11:15 | Volker Gebhardt     | Daniel Chan             | Aidan Sims        |
| 11:20–12:05 | Mircea Voineagu     | Hongxing Chen           | Lisa Orloff Clark |
| 12:10–12:55 | Andrea Caranti      | Kevin Coulembier        | Astrid An Huef    |
| 13:00–14:00 | <b>Lunch</b>        |                         |                   |
| 14:00–14:45 | Tomasz Kowalski     | Intan Muchtadi-Alamsyah | Lia Vas           |
| 14:50–15:35 | Alexander Bors      | Lingling Yao            | Zahra Afsar       |
| 15:35–16:00 | <b>Coffee break</b> |                         |                   |
| 16:00–16:25 | Vineeth Chintala    | Sarapee Chairat         | Simon Rigby       |
| 16:30–16:55 | Bokhee Im           | Geetha Venkataraman     | Truong Huu Dung   |
| 17:00–17:25 | Uğur Madran         | Qinghua Chen            | Gyu Whan Chang    |

### Friday 25 January

|             | Room 1  | Room 2          | Room 3         |
|-------------|---|-----------------|----------------|
| 09:00–09:55 | Jie Du  |                 |                |
| 10:00–10:30 | <b>Coffee break — announce the winner of The Gordon Preston Prize</b> |                 |                |
| 10:30–11:15 | Namhee Kwon   | Guoping Tang    | Bregje Pauwels |
| 11:20–12:05 | Yung-Ning Peng  | Xuejun Guo      | Parackal Romeo |
| 12:10–12:55 |   | Shiv Datt Kumar | Wen Ting Zhang |
| 13:00–14:00 | <b>Lunch</b>  |                 |                |
| 14:00–14:45 | Alejandra Garrido   |                 | Shengkui Ye    |
| 14:50–15:35 | Alexander Wires   |                 | Wataru Kai     |

\* The timetable will be updated in the website of Asia-Australia Algebra Conference.

# Talk Titles

|                      |   |
|----------------------|---|
| AFSAR, ZAHRA         | Self similar groupoid action on higher-rank graphs  |
| AMARRA, CARMEN       | Locally $n$ -by- $n$ grid graphs  |
| AMBILY, A. A.        | Roy's elementary orthogonal transformations   |
| AN HUEF, ASTRID      | C*-algebras of quasi-lattice ordered groups   |
| ASAKURA, MASANORI    | New $p$ -adic hypergeometric functions concerning with syntomic regulators                  |
| BERRICK, A. JON      | Invariants for ideal class groups   |
| BISHOP, ALEX         | Bounded automata groups are co-ETOL   |
| BORS, ALEXANDER      | Finite groups with a large automorphism orbit   |
| BUHPHANG, ARDELIN M. | Some vanishing conditions on Leavitt path algebras  |
| BUI XUAN, HAI        | Some recent results on free subgroups in skew linear groups                                 |
| CARANTI, ANDREA      | Groups that have the same holomorph   |
| CHAIRAT, SARAPEE     | On generalizations of extending modules and some applications                               |
| CHAN, DANIEL         | Degenerations of weighted projective lines  |
| CHANG, GYU WHAN      | Semigroup rings as weakly factorial domains   |
| CHEN, HONGXING       | Constructions of recollements of derived categories with applications in K-theory spectra   |
| CHEN, QINGHUA        | Robinson-Schensted-Knuth supercorrespondence  |
| CHEN, XIAO-WU        | The singularity category of a quadratic monomial algebra                                    |
| CHINTALA, VINEETH    | Embeddings of quadratic spaces  |
| CLARK, LISA ORLOFF   | Simplicity of algebras associated to non-Hausdorff groupoids                                |
| COULEMBIER, KEVIN    | Tensor categories in positive characteristic  |
| DANG, VAN VINH       | Class of approximations   |
| DIETRICH, HEIKO      | Isomorphism testing of groups of most orders  |
| DU, JIE              | Quantum linear supergroups and the Mullineux conjecture                                     |
| DUNG, TRUONG HUU     | Almost subnormal subgroups in division rings with generalized algebraic rational identities |
| EASDOWN, DAVID       | Growth of finitely presented Rees quotients of free inverse semigroups                      |
| ELDER, MURRAY        | Equations over hyperbolic groups  |
| GAO, NAN             | Lerner-Oppermann module category  |
| GARNER, RICHARD      | The Vietoris monad via weak distributive laws   |
| GARRIDO, ALEJANDRA   | Subgroup structure of free-like pro- $p$ groups   |
| GEBHARDT, VOLKER     | Enumerating Garside lattices  |
| GIUDICI, MICHAEL     | Bases for permutation groups and the Saxl graph   |
| GOH, YOONG KUAN      | Pattern avoidance in stack sorting  |
| GUO, XUEJUN          | Three-variable Mahler measures and L-functions of modular forms                             |
| HÜTTEMANN, THOMAS    | On the algebraic theory of finite domination  |
| HUANG, HUA-LIN       | Pointed finite tensor categories over finite abelian groups                                 |
| IM, BOKHEE           | Generalized doubly stochastic matrices  |
| ITO, RYOJUN          | On special values at integers of $L$ -functions of theta products                           |
| JACKSON, MARCEL      | Override, update and beyond   |
| KAI, WATARU          | Algebraic cycles with modulus and some relative K-groups                                    |
| KAMGARPOUR, MASOUD   | Counting matrices over finite fields and the topology of the moduli space                   |
| KOWALSKI, TOMASZ     | Uniform interpolation and coherence   |
| KUMAR, SHIV DATT     | Geometric invariant in the theory of $D$ -modules   |
| KWON, NAMHEE         | Bosonic-fermionic realizations of Lie superalgebras and vertex representations              |
| LIN, YANAN           | Tilting bundles on weighted projective lines  |

*Titles*

|                          |  |
|--------------------------|--|
| MADRAN, UĞUR             | The computation of generalized invariants  |
| MCDUGALL, ROBERT         | On Kurosh-Amitsur and base radical classes for a non-associative setting   |
| MUCHTADI-ALAMSYAH, INTAN | The geometric representation of $U$ -projective resolution of module over path algebra of type $A_n$ and $\tilde{A}_n$ |
| OTSUBO, NORIYUKI         | Invariants of CM motives of abelian type   |
| PAUWELS, BREGJE          | Approximable triangulated categories   |
| PENG, YUNG-NING          | Yangians of $\mathfrak{gl}(M N)$ and 01-sequence   |
| PRADEEP, V. K. APARNA    | Local-Global Principle for Relative DSER Elementary Orthogonal Group   |
| PRAEGER, CHERYL E        | Diagonal structures and primitive permutation groups   |
| QIN, HOURONG             | Congruent numbers, quadratic forms and $K_2$   |
| RIGBY, SIMON             | Tensor products of Steinberg algebras  |
| ROMEO, PARACKAL          | Cross-connections: a categorical duality   |
| RUŠKUC, NIK              | Diagram monoids and their congruence lattices  |
| SEBANDAL, ALFILGEN       | Classification of $B$ -algebras of order $n$ equal to or less than 15  |
| SHNEERSON, LEV           | On finite presentations of inverse semigroups having polynomial growth   |
| SIERRA, SUSAN            | Chain conditions in the enveloping algebra of the Witt algebra   |
| SIMS, AIDAN              | Groupoids, algebras and dynamics   |
| SMITH, PAUL              | Elliptic algebras  |
| SREEKANTAN, RAMESH       | Modular forms and higher Chow cycles   |
| STOKES, TIM              | Idempotent completions and left restriction semigroups   |
| TANG, GUOPING            | $K_1$ and $K_2$ of group algebras of finitely generated abelian groups over finite fields                              |
| THOMAS, ANNE             | Bowditch's JSJ tree and the quasi-isometry classification of certain right-angled Coxeter groups                       |
| THORNTON, LAUREN         | Some results differentiating Kurosh-Amitsur and base radical classes   |
| UPADHYAY, SUMIT KUMAR    | On an algebraic analogue of the Cohomotopy group   |
| VAS, LIA                 | Dimension groups with group action and their realization   |
| VENKATARAMAN, GEETHA     | Enumeration of groups in varieties of $A$ -groups  |
| VILELA, JOCELYN          | Characterization of free-commutative $B$ -algebra  |
| VOINEAGU, MIRCEA         | About Bredon motivic cohomology of a field   |
| WAHYUNI, SRI             | Positively graded rings which are unique factorization rings   |
| WANG, YANHUA             | Zariski cancellation problems for noncommutative algebras  |
| WANLESS, IAN             | Applications of matrix permanents to the study of Latin squares  |
| WILLIAMSON, GEORDIE      | Semi-simplicity in representation theory   |
| WILLIS, GEORGE           | The symmetry of 0-dimensional structures, or totally disconnected, locally compact groups                              |
| WIRES, ALEXANDER         | Higher dimensional rectangulation  |
| YAMAZAKI, TAKAO          | Arithmetic of generalized Jacobians of modular curves  |
| YACOBI, ODED             | A classification of simple Gelfand-Tsetlin modules of $\mathfrak{gl}(n)$   |
| YAN, DAN                 | On simple derivations and the group of polynomial automorphisms  |
| YAO, LINGLING            | The equivalence of two discretenesses of triangulated categories   |
| YE, SHENGKUI             | Homomorphisms between matrix groups  |
| YE, YU                   | Truncation of unitary operads  |
| YULIAWAN, FAJAR          | Actions of Hochschild cohomology in modular representation theory  |
| ZHANG, WEN TING          | Finite basis problem for involution monoids of unitriangular boolean matrices  |