

Curriculum Vitae

Abdulsatar AL-Juburie

1 Personal and Contact Information

- **Name:** Abdulsatar Jmah Theib AL-Juburie
- **Date of Birth:** January, 1973
- **Sex:** Male
- **Country of Origin:** Iraq
- **Marital Status:** Married
- **Certification:** Doctor of Philosophy in Mathematics
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2 Educational Qualifications

- B.Sc. Degree in Mathematics, AL-Mustansirya University, 1997 Baghdad, Iraq.
- Postgraduate student (master in mathematics) at Al-al-Bayt University, (1999-2002) Jordan.
- Doctor of Philosophy Degree in Pure Mathematics, Newcastle University, 2015 Newcastle Upon Tyne, United Kingdom.

PhD Thesis: Partially Commutative and Differential Graded Algebraic Structures,

supervised by **Andrew Duncan**.

3 Scientific Grade

- Assistant researcher at AL-Mustansirya University, (1997-2003) Baghdad.
- Assistant Lecturer at Diyala University, (2003-2007) Diyala.
- Postgraduate student at Western Michigan University, (2008-2010) USA.
- Postgraduate student (PhD in pure mathematics) at Newcastle University, (2011-2015) UK.
- I have marked the undergraduate homework and examination scripts for 4 years (2011-2015) at the school of Maths and Stats, Newcastle University, UK.
- Lecturer at Diyala University, (2015-).

4 Publications

- A.J. AL-Juburie and A.J. Duncan, *Finite Presentation for the Subgroup $Conj_V$* , Journal of Group Theory, 2015.
- A.J. AL-Juburie and A.J. Duncan, **AutParCommGrp** (*Finite Presentations of Automorphism Groups of Partially Commutative Groups and Their Subgroups*) package, a GAP package for computation of a finite presentation for the automorphism group of a partially commutative group G with commutative graph Γ and some of its subgroups ($Conj(G_\Gamma)$ and $Conj_V$), 2015, GAP System packages, GAP Center, St. Andrews University, UK, 2016.
- A.J. AL-Juburie, **SDGM** (*Solvable Differential Graded R -Modules*) package, a GAP package to construct a classification for some types of differential graded R -modules. This classification gives an algorithm to test whether such modules are solvable, 2015, GAP System packages (Submitted).

5 Computer and Programming Proficiency

- **GAP (Groups, Algorithms, Programming) System:** is a system for computational discrete algebra, with particular emphasis on Computational Group Theory. GAP provides a programming language, a library of thousands of functions implementing algebraic algorithms written in the GAP language as well as large data libraries of algebraic objects. GAP is used in research and teaching for studying groups and their representations, rings, vector spaces, algebras, combinatorial structures, and more. For more information about GAP see (<http://www.gap-system.org/>).
- **LaTeX Software** is a high-quality typesetting system; it includes features designed for the production of technical and scientific documentation. For more information about GAP see (<http://www.latex-project.org/>).

- **TeX Software** is a popular means by which to typeset complex mathematical formulae; it has been noted as one of the most sophisticated digital typographical systems in the world. TeX is popular in academia, especially in mathematics, computer science, economics, engineering, physics, statistics, and quantitative psychology, see (<https://en.wikipedia.org/wiki/TeX>).
- **Microsoft** application, Word, and Internet.

6 Conferences and Workshops

- **Asymptotic Group Theory and Module Theory**, (26-27 March, 2012).
Two days devoted to the theory and applications of group geometry and module theory. Hosted at the Royal Holloway University of London, UK.
- North British Geometric Group Theory seminar NBGGT (one day, March, 25th, 2012) in Edinburgh, Centre For Mathematical Sciences (ICMS), Scotland.
- **Cubical Complexes and Applications** (16-20 July, 2012).
A week devoted to the theory and applications of Cubical Complexes. An international conference hosted at the Centre For Mathematical Sciences (ICMS), Edinburgh, Scotland.
- North British Geometric Group Theory seminar NBGGT (one day, August, 24th, 2012) Held at Glasgow University, UK.
- North British Geometric Group Theory seminar NBGGT (one day, December, 5th, 2012) Held at Newcastle University, UK.
- North British Geometric Group Theory seminar NBGGT (one day, March, 22th, 2013) Held at the Centre For Mathematical Sciences (ICMS), Edinburgh, Scotland.
- North British Geometric Group Theory seminar NBGGT (one day, June, 20th, 2013) Held at Durham University, UK.
- **Parallel programming in GAP** (18-24 August, 2013).
An international workshop devoted to the GAP system. Hosted at the University of St Andrews, Scotland.
- North British Geometric Group Theory seminar NBGGT (one day, June, 11th, 2014) Held at York University, UK.
- North British Geometric Group Theory seminar NBGGT (one day, March, 4th, 2015) Held at Durham University, UK.
- North British Geometric Group Theory seminar NBGGT (one day, May, 27th, 2015) Held at York University, UK.

- I have attended more than 20 workshops which were organized by (PGRDP. Faculty of SAgE) in Newcastle University, UK.
- GAGTA (Geometric and Asymptotic Group Theory with Applications) conference (June 13th through June 17th 2016) at the Stevens Institute of Technology, USA.

7 Personal Skills

- Very good Communications Skills.
- Excellent Interpersonal Skills.
- Ability to follow given instructions and perform duties given by employers.

8 Hobbies

- Reading, Traveling and Sport.

9 Referees

1. **Sarah Rees**(Professor in Mathematics)

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2. **Andrew Duncan**(Associate Professor in Mathematics)

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3. **Dr. Alexander Konovalov**(GAP system director)

University of St Andrews

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