

Revantha Ramanayake

CONTACT INFORMATION

Technische Universität Wien (TU Wien)
Institute of Computer Languages, Theory and Logic Group, Vienna, Austria.
Tel. +43 (0)1 58801-185187. email. `revantha at logic.at`.
homepage. <https://www.logic.at/staffpages/revantha>

RESEARCH INTERESTS

- ▶ Using proof calculi to study substructural, modal and intermediate logics (including decidability, complexity, standard completeness)
- ▶ The use of combinatorial arguments on proof calculi for proving decidability
- ▶ The relationships between proof-theoretic frameworks and their relative expressivity
- ▶ Formal logics for the provability predicate of arithmetic (provability logics)
- ▶ Proof-systems for automated reasoning about satisfiability modulo theories (SMT)

PROFESSIONAL EXPERIENCE

Post-doctoral Researcher at TU Wien funded by the FWF START project (2012-17) and the FWF-ANR Transnational TICAMORE project (since 2017)

Post-doctoral Researcher at the Laboratoire d'Informatique de l'X (LIX), École Polytechnique, Palaiseau, France in the PSI project *Proof-Search control in Interaction with domain-specific methods*. 2011-2012.

Data and Systems Analyst, Research Office, The Australian National University, Canberra, Australia. Mathematical modelling and non-linear constraint optimisation using the numerical computing environment MATLAB, 2011.

PUBLICATIONS

See webpage.

PROJECTS

Principal investigator. Stiftung Aktion Österreich-Ungarn. Proj. no: 92u14. Formalisierung der Beweistheorien. 2016-2017.

SELECTED PROFESSIONAL ACTIVITIES

- ▶ **Tutorial** (with Björn Lellmann) co-located with TABLEAUX 2017, FroCoS 2017 and ITP 2017. Brasilia, Brazil. 23 Sep 2017
- ▶ **Keynote lecture:** Non-classical Logics and Their Applications. The 8th International Workshop on Logic and Cognition (WOLC 2016), Guangzhou (China) 5-9 Dec 2016
- ▶ **PC Member.** Non-classical Logics and Their Applications The 8th International Workshop on Logic and Cognition (WOLC 2016), Guangzhou (China) 5-9 Dec 2016
- ▶ **Invited Speaker:** 2nd International workshop on Automated Reasoning in Quantified Non-Classical Logics ARQNL 2016, Coimbra (Portugal), 1 July 2016
- ▶ **PC Member.** 20th International Conference on Logic for Programming, Artificial Intelligence and Reasoning (LPAR 20), Suva (Fiji) 24-28 Nov 2015
- ▶ **Invited tutorial** at the TRS Reasoning School, Natal (Brazil) 31 Aug-4 Sep 2015
- ▶ **Invited tutorial.** PhDs in Logic VII. Vienna (Austria) 14-16 May, 2015.
- ▶ **Member of the Award Committee.** VCLA International Student Awards 2014,15
- ▶ **Invited Plenary Speaker.** 6th International Conference on Teaching Logic and Prospects of its Development, Kiev (Ukraine) 15-16 May 2014
- ▶ **PC Member.** International conference on Advances in Modal Logic (AiML 2014), Groningen (Netherlands) 5-8 Aug 2014
- ▶ **PC Member.** Structures and Deduction 2014, Vienna (SD14) (in VSL 2014)
- ▶ **Invited tutorial.** 9th International Tbilisi Summer School in Logic and Language, Tbilisi (Georgia) 30 Sep-4 Oct 2013
- ▶ **Referee** for various international journals and conferences.

TEACHING
EXPERIENCE

- ▶ Lecturer for the Higher-Order Logic (185.A60) course at the TU Wien. Summer semester 2016 and 2017
- ▶ Teaching assistant in the Department of Mathematics, ANU, 2008 - 2009, for MATH2301 (Games, Graphs and Machines).
Overall effectiveness of teaching: 90% rated as Excellent, Very Good or Good (source: ANUSET)
- ▶ Teaching assistant in the School of Computer Science, ANU, 2011, for PHIL2080/COMP2620 (Logic).
- ▶ Teaching assistant in the Department of Mathematics, ANU, 2011, for MATH2320 (Analysis I Honours).

EDUCATION

- ▶ Doctor of Philosophy (PhD), 2006 - 2011
The Australian National University, Canberra.
Supervisor: Professor Rajeev Goré

Thesis title:
Cut-elimination for provability logics and some results in display logic.
<http://www.logic.at/staff/revantha/thesis-rev.pdf>
- ▶ Bachelor of Philosophy (Hons), Pure Mathematics, 2002 - 2005
Topics include algebra, algebraic topology, Galois theory, measure theory and complex analysis.
Department of Mathematics, The Australian National University, Canberra.
Awarded First-class Honours.

This is a research-focused degree that is offered selectively at the ANU.
See <http://studyat.anu.edu.au/programs/4660HPHB;overview.html>

HONOURS AND
AWARDS

Australian Postgraduate Award (APA), 2006-2010
NICTA (National ICT Australia) Supplementary Scholarship, 2006-2010
QBI Short Course in Computational Neuroscience, Scholarship, 2009
Vice-Chancellor's Travel Grant, 2008
Bachelor of Philosophy Scholarship (ANU), 2004-2005
Distinguished Scholar Program in Science (ANU), 2002-2004
ACCS Complex Systems Winter School Scholarship, 2005
Chancellor's Letter of Commendation (ANU), 2002-2005
Hanna Neumann Prize for Mathematics (ANU), 2004
Chancellor's Letter of Commendation (ANU), 2002-2005
Member of the Golden Key International Honour Society

Represented Sri Lanka at the International Schools Software Competition 1999

REFEREES

On request.