

@First @Middle @Last

@FromDate – @ToDate

phone: (319) 335-XXXX  
email: XXXX@uiowa.edu  
web: <http://www.cs.uiowa.edu/~XXXX>

## Post Graduate Education

@Year – @Year    @LevelOrPosition, @FieldOfStudy, @Institution  
Mentor(s): @Mentors

@Year    **M.S.**, @FieldOfStudyOrMajor, @HonorsAndDistinctions, @Institution  
**Thesis:** @Title

@Year – @Year      @**PositionOrTitleOrRank**, @DepartmentIfAny, @InstitutionOrOrganization[.  
@Annotation]

## Licensures and Certifications

@Year    @TitleOfLicensureOrCertification, @SponsoringOrganization[. @Annotation]  
 @Year    @TitleOfLicensureOrCertification, @SponsoringOrganization[. @Annotation]

## Honors and Awards

@Year – @Year    @AwardOrHonorName, @OrganizationOrSponsor[. @Annotation]  
 @Year            @AwardOrHonorName, @OrganizationOrSponsor[. @Annotation]

## Memberships

@Year – present    @OrganizationName  
 @Year – @Year    @OrganizationName

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# SCHOLARSHIP

## Publications

We propose not to have a **Publication in Progress** subsection and instead add each publication in progress in the proper subsection below, with a note that indicates the status of the publication (e.g., **submitted**, **under review**, **accepted with minor revision**, **accepted**, etc.).

We are also proposing the addition of the subsections in red.

## Refereed Articles

- [1] K. Bansal, C. Barrett, A. Reynolds, and C. Tinelli, “Reasoning with finite sets and cardinality constraints in SMT,” *Logical Methods in Computer Science*, vol. 14, no. 4, 2018. DOI: [10.23638/LMCS-14\(4:12\)2018](https://doi.org/10.23638/LMCS-14(4:12)2018).
- [2] T. Liang, A. Reynolds, N. Tsiskaridze, C. Tinelli, C. Barrett, and M. Deters, “Constraint solving for finite model finding in SMT solvers,” *Theory and Practice of Logic Programming*, vol. 17, no. 4, pp. 516–558, Jul. 2017, (Invited submission).

## Refereed Conference Proceedings

- [1] A. Reynolds, H. Barbosa, D. Larraz, and C. Tinelli, “Scalable algorithms for abduction via enumerative syntax-guided synthesis,” in *Automated Reasoning - 10th International Joint Conference, IJCAR 2020, Paris, France, July 1-4, 2020, Proceedings, Part I*, N. Peltier and V. Sofronie-Stokkermans, Eds., ser. Lecture Notes in Computer Science, vol. 12166, Springer, 2020, pp. 141–160. DOI: [10.1007/978-3-030-51074-9\\_9](https://doi.org/10.1007/978-3-030-51074-9_9).
- [2] M. Brain, A. Niemetz, M. Preiner, A. Reynolds, C. W. Barrett, and C. Tinelli, “Invertibility conditions for floating-point formulas,” in *Proceedings of the 31st International Conference on Computer Aided Verification (CAV 2019)*, I. Dillig and S. Tasiran, Eds., ser. Lecture Notes in Computer Science, vol. 11562, Springer, 2019, pp. 116–136. DOI: [10.1007/978-3-030-25543-5\\_8](https://doi.org/10.1007/978-3-030-25543-5_8).

### Non-Refereed Articles

- [1] A. Biere, C. Tinelli, and C. Weidenbach, “Preface to the special issue on automated reasoning systems,” *J. Autom. Reason.*, vol. 64, no. 3, pp. 361–362, 2020. DOI: [10.1007/s10817-019-09531-1](https://doi.org/10.1007/s10817-019-09531-1).
- [2] J. H. Davenport, M. England, A. Griggio, T. Sturm, and C. Tinelli, “Symbolic computation and satisfiability checking,” *J. Symb. Comput.*, vol. 100, pp. 1–10, 2020. DOI: [10.1016/j.jsc.2019.07.017](https://doi.org/10.1016/j.jsc.2019.07.017).
- [3] J. C. Blanchette, C. Fuhs, V. Sofronie-Stokkermans, and C. Tinelli, “Deduction beyond first-order logic (Dagstuhl Seminar 17371),” *Dagstuhl Reports*, vol. 7, no. 9, pp. 26–46, 2017. DOI: [10.4230/DagRep.7.9.26](https://doi.org/10.4230/DagRep.7.9.26).

### Books

- [1] C. Baier and C. Tinelli, Eds., *Tools and Algorithms for the Construction and Analysis of Systems - 21st International Conference, TACAS 2015, Held as Part of the European Joint Conferences on Theory and Practice of Software, ETAPS 2015, London, UK, April 11-18, 2015. Proceedings*, vol. 9035, Lecture Notes in Computer Science, Springer, 2015, ISBN: 978-3-662-46680-3. DOI: [10.1007/978-3-662-46681-0](https://doi.org/10.1007/978-3-662-46681-0).
- [2] C. Tinelli and V. Sofronie-Stokkermans, Eds., *Frontiers of Combining Systems, 8th International Symposium, FroCoS 2011, Saarbrücken, Germany, October 5-7, 2011. Proceedings*, vol. 6989, Lecture Notes in Computer Science, Springer, 2011, ISBN: 978-3-642-24363-9. DOI: [10.1007/978-3-642-24364-6](https://doi.org/10.1007/978-3-642-24364-6).

### Refereed Book Chapters

- [1] C. W. Barrett and C. Tinelli, “Satisfiability modulo theories,” in *Handbook of Model Checking*, E. M. Clarke, T. A. Henzinger, H. Veith, and R. Bloem, Eds., (Invited contribution), Springer, 2018, pp. 305–343. DOI: [10.1007/978-3-319-10575-8\\_11](https://doi.org/10.1007/978-3-319-10575-8_11).

### Book Chapters

- [1] C. Lutz, U. Sattler, C. Tinelli, A. Turhan, and F. Wolter, “A tour of Franz Baader’s contributions to knowledge representation and automated deduction,” in *Description Logic, Theory Combination, and All That - Essays Dedicated to Franz Baader on the Occasion of His 60th Birthday*, ser. Lecture Notes in Computer Science, C. Lutz, U. Sattler, C. Tinelli, A. Turhan, and F. Wolter, Eds., vol. 11560, Springer, 2019, pp. 1–14. DOI: [10.1007/978-3-030-22102-7\\_1](https://doi.org/10.1007/978-3-030-22102-7_1).
- [2] C. W. Barrett, R. Sebastiani, S. A. Seshia, and C. Tinelli, “Satisfiability modulo theories,” in *Handbook of Satisfiability*, ser. Frontiers in Artificial Intelligence and Applications, A. Biere, M. Heule, H. van Maaren, and T. Walsh, Eds., vol. 185, (Invited contribution), IOS Press, 2009, pp. 825–885. DOI: [10.3233/978-1-58603-929-5-825](https://doi.org/10.3233/978-1-58603-929-5-825).

### Electronic Publications

- [1] M. Mann, A. Wilson, C. Tinelli, and C. W. Barrett, “Smt-switch: A solver-agnostic C++ API for SMT solving,” *CoRR*, vol. abs/2007.01374, 2020. arXiv: [2007.01374](https://arxiv.org/abs/2007.01374). [Online]. Available: <https://arxiv.org/abs/2007.01374>.
- [2] A. Stump, G. Sutcliffe, and C. Tinelli, Eds., *Workshop on Evaluation Methods for Solvers, and Quality Metrics for Solutions, EMSQMS 2010, Edinburgh, UK, July 20, 2010*, vol. 6, EPiC Series in Computing, EasyChair, 2012. [Online]. Available: [https://easychair.org/publications/volume/EMSQMS\\_2010](https://easychair.org/publications/volume/EMSQMS_2010).

## Technical Reports

- [1] T. Liang, N. Tsiskaridze, A. Reynolds, C. Tinelli, and C. Barrett, “A decision procedure for regular membership and length constraints over unbounded strings,” Department of Computer Science, University of Iowa, Tech. Rep., 2015. [Online]. Available: <https://homepage.cs.uiowa.edu/~tinelli/papers/LiaEtAl-RR-15.pdf>.
- [2] P. Baumgartner and C. Tinelli, “Model evolution with equality modulo built-in theories,” NICTA, Tech. Rep., 2011. [Online]. Available: <https://homepage.cs.uiowa.edu/~tinelli/papers/BauTin-RR-11.pdf>.

## Abstracts

- [1] C. Tinelli, *This is an abstract abstract*, 2020.

## Reviews

- [1] C. Tinelli, *Review of “This is an abstract abstract”*, 2020.

@OtherContributionType [as above]

## Performances and Exhibits

- @Month – @Year    @Title — @Role. Event held at @Venue @City, @State. Sponsored by @Sponsor. Commissioned by @Agency. In collaboration with @CollaboratorList. Further details at @WebAddress
- @Month – @Year    @Title — @Role. Event held at @Venue @City, @State. Sponsored by @Sponsor. Commissioned by @Agency. In collaboration with @CollaboratorList. Further details at @WebAddress

## Inventions and Patents

- 1. @InventorList. @Number, @Title. @Annotation
- 2. @InventorList. @Number, @Title. @Annotation

## Software

- 1. @InventorList. @Number, @Title. @Annotation
- 2. @InventorList. @Number, @Title. @Annotation

## Grants and Contracts

Submitted

@From – @To    @Title @ContractOrGrantNumber  
 Funded by @AwardingOrganization. Award amount: (\$@TotalAmountAwarded) Percent effort: PercentOfEffortOrNumberOfMonths. Investigator(s) @InvestigatorAndRoleList. Iowa portion: \$@AmountAwardedToIowa.

@From – @To    @Title @ContractOrGrantNumber  
 Funded by @AwardingOrganization. Award amount: (\$@TotalAmountAwarded) Percent effort: PercentOfEffortOrNumberOfMonths. Investigator(s) @InvestigatorAndRoleList. Iowa portion: \$@AmountAwardedToIowa.

### Current

@From – @To    @Title @ContractOrGrantNumber  
 Funded by @AwardingOrganization. Award amount: (\$@TotalAmountAwarded) Percent effort: PercentOfEffortOrNumberOfMonths. Investigator(s) @InvestigatorAndRoleList. Iowa portion: \$@AmountAwardedToIowa.

@From – @To    @Title @ContractOrGrantNumber  
 Funded by @AwardingOrganization. Award amount: (\$@TotalAmountAwarded) Percent effort: PercentOfEffortOrNumberOfMonths. Investigator(s) @InvestigatorAndRoleList. Iowa portion: \$@AmountAwardedToIowa.

### Completed

@From – @To    @Title @ContractOrGrantNumber  
 Funded by @AwardingOrganization. Award amount: (\$@TotalAmountAwarded) Percent effort: PercentOfEffortOrNumberOfMonths. Investigator(s) @InvestigatorAndRoleList. Iowa portion: \$@AmountAwardedToIowa.

@From – @To    @Title @ContractOrGrantNumber  
 Funded by @AwardingOrganization. Award amount: (\$@TotalAmountAwarded) Percent effort: PercentOfEffortOrNumberOfMonths. Investigator(s) @InvestigatorAndRoleList. Iowa portion: \$@AmountAwardedToIowa.

## Invited Lectures and Conference Presentations

### National — Colloquium

@Month @Year    [@ConferenceOrMeetingName,] @PresentationTitle, [@HostingOrg,] @City,  
 @State

@Month @Year    [@ConferenceOrMeetingName,] @PresentationTitle, [@HostingOrg,] @City,  
 @State

### National — Invited Lecture

@Month @Year    [@ConferenceOrMeetingName,] @PresentationTitle, [@HostingOrg,] @City,  
 @State

@Month @Year    [@ConferenceOrMeetingName,] @PresentationTitle, [@HostingOrg,] @City,  
 @State

### International — Invited Talk

@Month @Year    [@ConferenceOrMeetingName,]    @PresentationTitle,    [@HostingOrg,]    @City,  
@State

@Month @Year    [@ConferenceOrMeetingName,]    @PresentationTitle,    [@HostingOrg,]    @City,  
@State

#### **International — Invited Lecture/Tutorial**

@Month @Year    [@ConferenceOrMeetingName,]    @PresentationTitle,    [@HostingOrg,]    @City,  
@State

@Month @Year    [@ConferenceOrMeetingName,]    @PresentationTitle,    [@HostingOrg,]    @City,  
@State

#### **International — Keynote Talk**

@Month @Year    [@ConferenceOrMeetingName,]    @PresentationTitle,    [@HostingOrg,]    @City,  
@State

@Month @Year    [@ConferenceOrMeetingName,]    @PresentationTitle,    [@HostingOrg,]    @City,  
@State

#### **@Scope — @PresentationType**

@Month @Year    [@ConferenceOrMeetingName,]    @PresentationTitle,    [@HostingOrg,]    @City[,  
@State] [, @Country]

@Month @Year    [@ConferenceOrMeetingName,]    @PresentationTitle,    [@HostingOrg,]    @City[,  
@State] [, @Country]

## SERVICE

### Profession

Proposing the following subdivisions, for readability

#### **Editor-in-chief**

@Year – @Year    @PublicationName[, @Annotation]

@Year – @Year    @PublicationName[, @Annotation]

#### **Associate Editor**

@Year – @Year    @PublicationName[, @Annotation]

@Year – @Year    @PublicationName[, @Annotation]

#### **Trustee**

@Year – @Year    @OrganizationName[, @Annotation]

@Year – @Year    @OrganizationName[, @Annotation]

#### **Steering Committee Member**

@Year – @Year    @OrganizationName[, @Annotation]

@Year – @Year    @OrganizationName[, @Annotation]

**Coordinator**

@Year – @Year @OrganizationName[, @Annotation]  
@Year – @Year @OrganizationName[, @Annotation]

**Program Committee Chair**

@Year @OrganizationName[, @Annotation]  
@Year @OrganizationName[, @Annotation]

**Program Committee Member**

@Year @OrganizationName[, @Annotation]  
@Year @OrganizationName[, @Annotation]

**Co-organizer**

@Year @OrganizationName[, @Annotation]  
@Year @OrganizationName[, @Annotation]