

@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

TEACHING

Courses Taught at the University of Iowa

Term	Course #	Title	Ten-day Enroll.	Final Enroll.
@Sem @Year	@Prefix:@Num:@Sect	@CourseName	@Number	@Number
@Sem @Year	@Prefix:@Num:@Sect	@CourseName	@Number	@Number

Additional Courses Taught (not on MAUI)

Term	Course #	Title	Ten-day Enroll.	Final Enroll.
@Sem @Year	@Prefix:@Num:@Sect	@CourseName	@Number	@Number
@Sem @Year	@Prefix:@Num:@Sect	@CourseName	@Number	@Number

Innovations in Teaching

Design & Implementation of New Courses

@Month @Year – @Month @Year @Title[, @Annotation]
 @Month @Year – @Month @Year @Title[, @Annotation]

Extramural Teaching Activities

@Month @Year – @Month @Year @Title[, @Annotation]
 @Month @Year – @Month @Year @Title[, @Annotation]

Intramural Teaching Activities

@Month @Year – @Month @Year **@Title**[, @Annotation]
 @Month @Year – @Month @Year **@Title**[, @Annotation]

Revisions in Existing Courses

@Month @Year – @Month @Year **@Title**[, @Annotation]
 @Month @Year – @Month @Year **@Title**[, @Annotation]

@TypeOfContribution

@Month @Year – @Month @Year **@Title**[, @Annotation]
 @Month @Year – @Month @Year **@Title**[, @Annotation]

Student Mentoring Summary

@Term @Year – @Term @Year @MentoringTypeOrExplanation, @Role, # Students: @NoOfStudents[, @Annotation]
 @Term @Year – @Term @Year @MentoringTypeOrExplanation, @Role, # Students: @NoOfStudents[, @Annotation]

Student Mentoring**MCS — Advisor**

@Month @Year – @Month @Year **@Title**, @LastName, @FirstName; @StageOfDegreeCompletion[, @Annotation]
 @Month @Year – @Month @Year **@Title**, @LastName, @FirstName; @StageOfDegreeCompletion[, @Annotation]

PhD — Advisor

@Month @Year – @Month @Year **@Title**, @LastName, @FirstName; @StageOfDegreeCompletion[, @Annotation]
 @Month @Year – @Month @Year **@Title**, @LastName, @FirstName; @StageOfDegreeCompletion[, @Annotation]

PhD — Committee Chair

@Month @Year – @Month @Year **@Title**, @LastName, @FirstName; @StageOfDegreeCompletion[, @Annotation]
 @Month @Year – @Month @Year **@Title**, @LastName, @FirstName; @StageOfDegreeCompletion[, @Annotation]

PhD — Committee Member

@Month @Year – @Month @Year **@Title**, @LastName, @FirstName; @StageOfDegreeCompletion[, @Annotation]
 @Month @Year – @Month @Year **@Title**, @LastName, @FirstName; @StageOfDegreeCompletion[, @Annotation]

@DegreeObjective — @InvolvementType

@Month @Year – @Month @Year **@Title**, @LastName, @FirstName; @StageOfDegreeCompletion[, @Annotation]
 @Month @Year – @Month @Year **@Title**, @LastName, @FirstName; @StageOfDegreeCompletion[, @Annotation]

Professional Mentoring

Postdoctoral Researcher

@Month @Year – @Month @Year @LastName, @FirstName; @ProgramName, @Department, @Institution, @MentoringActivityDescription
 @Month @Year – @Month @Year @LastName, @FirstName; @ProgramName, @Department, @Institution, @MentoringActivityDescription
 @Month @Year – @Month @Year @LastName, @FirstName; @ProgramName, @Department, @Institution, @MentoringActivityDescription

Research Scientist

@Month @Year – @Month @Year @LastName, @FirstName; @ProgramName, @Department, @Institution, @MentoringActivityDescription
 @Month @Year – @Month @Year @LastName, @FirstName; @ProgramName, @Department, @Institution, @MentoringActivityDescription

Assistant Professor

@Month @Year – @Month @Year @LastName, @FirstName; @ProgramName, @Department, @Institution, @MentoringActivityDescription
 @Month @Year – @Month @Year @LastName, @FirstName; @ProgramName, @Department, @Institution, @MentoringActivityDescription

@MenteeLevel

@Month @Year – @Month @Year @LastName, @FirstName; @ProgramName, @Department, @Institution, @MentoringActivityDescription
 @Month @Year – @Month @Year @LastName, @FirstName; @ProgramName, @Department, @Institution, @MentoringActivityDescription

SCHOLARSHIP

CLAS * System: * = major contribution *** = equal contribution
 ** = secondary contribution **** = minor contribution

Publications

Refereed Articles

- [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).
- [3] *** 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).
- [4] *** 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).

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] *** M. Abramowitz and I. A. Stegun, *Handbook of Mathematical Functions with Formulas, Graphs, and Mathematical Tables*, ninth Dover printing, tenth GPO printing. New York City: Dover, 1964.

Edited Volumes

- [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.

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

@Year – @Year @SoftwareName, @BriefDescription, @URL

@Year – @Year @SoftwareName, @BriefDescription, @URL

Areas of Research Interest

@Area

@Area

@Area

Grants and Contracts**Submitted**

@From – @To @Title @ContractOrGrantNumber

Funded by @AwardingOrganization. Award amount: (\$@TotalAmountAwarded). Percent effort: PercentOfEffortOrNumberOfMonths. Investigator(s): @InvestigatorAndRoleList. Iowa portion: \$@AmountAwarded-ToIowa.

@From – @To @Title @ContractOrGrantNumber

Funded by @AwardingOrganization. Award amount: (\$@TotalAmountAwarded). Percent effort: PercentOfEffortOrNumberOfMonths. Investigator(s): @InvestigatorAndRoleList. Iowa portion: \$@AmountAwarded-ToIowa.

Current

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

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

Completed

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

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

Unfunded

@SubmisDate @Title @ContractOrGrantNumber
 Submitted to @AwardingOrganization. Award amount: (\$@TotalAmountAwarded). Percent effort: PercentOfEffortOrNumberOfMonths. Investigator(s): @InvestigatorAndRoleList. Iowa portion: \$@AmountAwarded-ToIowa.

@SubmisDate @Title @ContractOrGrantNumber
 Submitted to @AwardingOrganization. Award amount: (\$@TotalAmountAwarded). Percent effort: PercentOfEffortOrNumberOfMonths. Investigator(s): @InvestigatorAndRoleList. Iowa portion: \$@AmountAwarded-ToIowa.

Invited Lectures and Conference Presentations

National — Colloquia

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

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

National — Invited Lectures

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

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

National — Conference Presentations

@Month @Year @ConferenceName, @PresentationTitle, @City, [@State,] @Country.
Presenters/Authors: @AuthorList.
Student Presenters/Authors: @AuthorList.

@Month @Year @ConferenceName, @PresentationTitle, @City, [@State,] @Country.
Presenters/Authors: @AuthorList.
Student Presenters/Authors: @AuthorList.

International — Keynote Talks

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

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

International — Invited Talks

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

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

International — Invited Lectures and Tutorials

@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

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]

Research Proposal Reviewer

@Year @OrganizationName[, @Annotation]

@Year @OrganizationName[, @Annotation]

Journal Reviewer

@Year @OrganizationName[, @Annotation]

@Year @OrganizationName[, @Annotation]

Conference/Workshop Reviewer

@Year @OrganizationName[, @Annotation]

@Year @OrganizationName[, @Annotation]

Other

@Year @OrganizationName[, @Annotation]

@Year @OrganizationName[, @Annotation]

Department

@Year – @Year @CommitteeName[, @RoleOrExplanation][, @InstitutionIfNotIowa][, @Annotation]
 @Year – @Year @CommitteeName[, @RoleOrExplanation][, @InstitutionIfNotIowa][, @Annotation]

College

@Year – @Year @CommitteeName[, @RoleOrExplanation][, @InstitutionIfNotIowa][, @Annotation]
 @Year – @Year @CommitteeName[, @RoleOrExplanation][, @InstitutionIfNotIowa][, @Annotation]

University

@Year – @Year @CommitteeName[, @RoleOrExplanation][, @InstitutionIfNotIowa][, @Annotation]
 @Year – @Year @CommitteeName[, @RoleOrExplanation][, @InstitutionIfNotIowa][, @Annotation]

Community

@Year – @Year @OrgName, @CommitteeName[, @RoleOrExplanation][, @Annotation]
 @Year – @Year @OrgName, @CommitteeName[, @RoleOrExplanation][, @Annotation]

Industry

@Year – @Year @CompanyName, @RoleOrExplanation[, @Annotation]
 @Year – @Year @CompanyName, @RoleOrExplanation[, @Annotation]

@OtherScope

@Year – @Year @OrgName, @CommitteeName[, @RoleOrExplanation][, @Annotation]
 @Year – @Year @OrgName, @CommitteeName[, @RoleOrExplanation][, @Annotation]

Media Contributions

@Year @MediaType, @MediaName, @ScopeOfDistribution[, @Annotation]
 @Year @MediaType, @MediaName, @ScopeOfDistribution[, @Annotation]

Professional Development Activities

@Year – @Year ActivityTypeOrExplanation, @Title, @SponsoringOrg[, @Annotation]
 @Year – @Year ActivityTypeOrExplanation, @Title, @SponsoringOrg[, @Annotation]