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## Publications

### **A generic type system for higher-order $\Psi$ -calculi**

Hüttel, H., Lybech, S., Bendixen, A. R. & Bojesen, B. B., Oct 2024, In: Information and Computation. 300, 26 p., 105190.

### **A type system for data flow and alias analysis in ReScript**

Lund, N. A. & Hüttel, H., Sept 2024, In: Electronic Proceedings in Theoretical Computer Science. abs/2408.11954, p. 1-53  
53 p.

### **Contextualisation in university level problem-based learning**

Dahl, B., Hüttel, H., Rasmussen, J. G. & Rasmussen, M. G., 2023, In: For the Learning of Mathematics. 43, 3, p. 27-31  
5 p.

### **A Tool for Describing and Checking Natural Semantics Definitions of Programming Languages**

Saioc, G. V. & Hüttel, H., 19 Sept 2022, In: Electronic Proceedings in Theoretical Computer Science, EPTCS. 369, p. 51-  
66 16 p.

### **A Generic Type System for Higher-Order $\Psi$ -calculi**

Bendixen, A. R., Bojesen, B. B., Hüttel, H. & Lybech, S., 6 Sept 2022, In: Electronic Proceedings in Theoretical Computer  
Science, EPTCS. 368, p. 43-59 17 p.

### **A Structure Editor with Type-Safe Copy/Paste**

Hüttel, H., Nielsen, A. E. L., Sandberg, N. G., Andersen, C. L. & Mikkelsen, P., 31 Aug 2022, *Proceedings of the 2022  
34th Symposium on Implementation and Application of Functional Languages, IFL 2022*. Association for Computing  
Machinery (ACM), 5. (ACM International Conference Proceeding Series).

### **Key Agreement in the Lightning Network Protocol**

Hüttel, H. & Staroveški, V., 2022, *Information Systems Security and Privacy - 6th International Conference, ICISSP 2020,  
Revised Selected Papers*. Furnell, S., Mori, P., Weippl, E. & Camp, O. (eds.). Springer, p. 139-155 17 p. (Communications  
in Computer and Information Science, Vol. 1545 CCIS).

### **An Editor Calculus With Undo/Redo**

Kjær, R. R., Lundbergh, M. H., Nielsen, M. M. & Hüttel, H., Dec 2021, *Proceedings of 23rd International Symposium on  
Symbolic and Numeric Algorithms for Scientific Computing (SYNASC)*. Schneider, C., Marin, M., Negru, V. & Zaharie, D.  
(eds.). IEEE (Institute of Electrical and Electronics Engineers), p. 66-74 9 p. 9700397. (Proceedings - 2021 23rd  
International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, SYNASC 2021).

### **Certifying Time Complexity of Agda Programs Using Complexity Signatures**

Hüttel, H., Møllnitz, C. B., Elgaard, J. & Rannes, S., Nov 2021.

### **Behavioural separation with parallel usages**

Golovanov, I., Hüttel, H., Jakobsen, M. & Kettunen, M., 13 Jul 2021, *FTfJP 2021 - Proceedings of the 23rd ACM International Workshop on Formal Techniques for Java-Like Programs, co-located with ECOOP/ISSTA 2021*. Cok, D. R. (ed.). Association for Computing Machinery (ACM), p. 51-58 8 p.

### **A type-safe structure editor calculus**

Godiksen, C., Herrmann, T., Hüttel, H., Lauridsen, M. K. & Owliaie, I., 18 Jan 2021, *PEPM 2021 - Proceedings of the 2021 ACM SIGPLAN Workshop on Partial Evaluation and Program Manipulation, Co-located with POPL 2021*. Association for Computing Machinery (ACM), p. 1-13 13 p. (PEPM 2021 - Proceedings of the 2021 ACM SIGPLAN Workshop on Partial Evaluation and Program Manipulation, Co-located with POPL 2021).

### **Going online: Student perspectives in a problem-based learning environment during the pandemic**

Andersen, E., Hüttel, H. & Gnaur, D., 2021, *Proceedings of the 20th European Conference on e-Learning, ECEL 2021*. Busch, C., Steinicke, M., Frieß, R. & Wendler, T. (eds.). Academic Conferences and Publishing International, p. 42-49 8 p. (Proceedings of the European Conference on e-Learning, ECEL).

### **HOW DID PBL MANAGE DURING THE TRANSITION TO ONLINE TEACHING DUE TO THE COVID-19 LOCKDOWN**

Hüttel, H., Gnaur, D. & Andersen, E. O., 2021, *Transforming PBL Through Hybrid Learning Models: Timely Challenges and Answers in a (Post)-Pandemic Perspective and Beyond*. Aalborg Universitetsforlag, p. 198-204 (International Research Symposium on PBL).

### **The challenge of building communities about PBL supervision: From networks of practice to communities of practice**

Hüttel, H. & Gnaur, D., 30 Oct 2020, *Collaborative Convergence and Virtual Teamwork for Organizational Transformation*. IGI global, p. 177-194 18 p.

### **A web-based platform for building PBL competences among students**

Hüttel, H., Gnaur, D., Ryberg, T. & Holgaard, J. E., 1 Jan 2020, *Emerging Technologies for Education - 4th International Symposium, SETE 2019, held in Conjunction with ICWL 2019, Revised Selected Papers*. Popescu, E., Hao, T., Hsu, T.-C., Xie, H., Temperini, M. & Chen, W. (eds.). Springer VS, p. 175-182 8 p. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), Vol. 11984 LNCS).

### **Behavioural Types for Memory and Method Safety in a Core Object-Oriented Language**

Bravetti, M., Francalanza, A., Golovanov, I., Hüttel, H., Jakobsen, M. S., Kettunen, M. K. & Ravara, A., 2020, *Programming Languages and Systems - 18th Asian Symposium, APLAS 2020, Proceedings*. Oliveira, B. C. (ed.). Springer, p. 105-124 20 p. (Lecture Notes in Computer Science, Vol. 12470).

### **How higher education adapted to online teaching at aalborg university after COVID-19: Experiences and perspectives**

Hüttel, H. & Gnaur, D., 2020, *Proceedings of the 19th European Conference on e-Learning, ECEL 2020*. Busch, C., Steinicke, M. & Wendler, T. (eds.). Academic Conferences and Publishing International, p. 243-251 9 p. (Proceedings of the European Conference on e-Learning, ECEL, Vol. 2020-October).

### **Secrecy and Authenticity Properties of the Lightning Network Protocol**

Hüttel, H. & Staroveski, V., 2020, *ICISSP 2020 - Proceedings of the 6th International Conference on Information Systems Security and Privacy*. Furnell, S., Mori, P., Weippl, E. R. & Camp, O. (eds.). SciTePress, p. 119-130 12 p. (International Conference on Information Systems Security and Privacy).

### **Using session types for reasoning about boundedness in the pi-calculus**

Hüttel, H., 2020, In: *Acta Informatica*. 57, p. 801-827

### **Locations and session types in a language with higher-order reflection**

Tran, M., Bendixen, A. R., Bojesen, B. B., Hüttel, H. & Lybech, S. L., 22 Oct 2019, *AGERE 2019 - Proceedings of the 9th ACM SIGPLAN International Workshop on Programming Based on Actors, Agents, and Decentralized Control, co-located with SPLASH 2019*. Bergenti, F., Castegren, E., De Koster, J. & Franco, J. (eds.). Association for Computing Machinery (ACM), p. 31-40 10 p.

### **A Web-Based Platform for Competence Development in PBL Supervision**

Hüttel, H. & Gnaur, D., 2019, In: International Journal of E-Collaboration. 15, 3, p. 20-33 14 p., 2.

### **PBL og matematik**

Hüttel, H., Rasmussen, J. G., Rasmussen, M. G. & Søndergaard, B. D., 2019. 1 p.

### **Building a new Community Around a Platform for Developing PBL Competences**

Huttel, H. & Gnaur, D., Nov 2018, *Proceedings of the 17th European Conference on e-Learning*. Ntalianis, K., Andreatis, A. & Sgouropoulou, C. (eds.). Reading, UK: Academic Conferences and Publishing International, p. 161-169

### **A New Platform for Question-Based Sharing of Supervision Competencies in Problem-Based Learning**

Hüttel, H., Gnaur, D., Klostergaard, A. H. & Blegmand, G., 4 Sept 2018, *Collaboration and Technology: 24th International Conference, CRIWG 2018, Costa de Caparica, Portugal, September 5-7, 2018, Proceedings*. Rodrigues, A., Fonseca, B. & Pregoça, N. (eds.). Springer, p. 177-184 8 p. (Lecture Notes in Computer Science (LNCS), Vol. 11001).

### **Context-Free Session Types for Applied Pi-Calculus**

Aagaard, J., Hüttel, H., Steen Jakobsen, M. & Kettunen, M., 24 Aug 2018, *Proceedings Combined 25th International Workshop on Expressiveness in Concurrency and 15th Workshop on Structural Operational Semantics and 15th Workshop on Structural Operational Semantics, EXPRESS/SOS 2018, Beijing, China, September 3, 2018*. Open Publishing Association, Vol. 276. p. 3-18 16 p. (Electronic Proceedings in Theoretical Computer Science, EPTCS).

### **Flipped and blended classroom approaches at AAU: Theory, cases and toolbox**

Otrel-Cass, K., Gnaur, D., Huttel, H., Steinø, N., Major, A., Nielsen, K., Petersen, E. M. & Bøgholm, T., 2018, Aalborg Universitet. 60 p.

### **A Platform for Developing and Maintaining Competences in PBL Supervision**

Gnaur, D. & Huttel, H., Dec 2017, *Emerging Technologies for Education: International Symposium on Emerging Technologies for Education*. Huang, T.-C., Lau, R., Huang, Y.-M., Spaniol, M. & Yuen, C.-H. (eds.). Springer, p. 297-303 6 p. (Lecture Notes in Computer Science, Vol. 10676).

### **If PBL is the answer, then what is the problem?**

Huttel, H. & Gnaur, D., Nov 2017, In: Journal of Problem Based Learning in Higher Education. 5, 2, 21 p.

### **Using session types for reasoning about boundedness in the $\pi$ -calculus**

Hüttel, H., 31 Aug 2017, In: Electronic Proceedings in Theoretical Computer Science, EPTCS. 255, p. 67-82 16 p.

### **Inferring types for parallel programs**

Martins, F., Vasconcelos, V. T. & Hüttel, H., 8 Apr 2017, *Proceedings Tenth Workshop on Programming Language Approaches to Concurrency- and Communication-centric Software*. Vasconcelos, V. T. & Haller, P. (eds.). Open Publishing Association, Vol. 246. p. 28-36 9 p. (Electronic Proceedings in Theoretical Computer Science, EPTCS, Vol. 246).

### **Using Session Types for Reasoning About Boundedness in the Pi-Calculus**

Huttel, H., 2017, In: Electronic Proceedings in Theoretical Computer Science. 222, p. 67-82 15 p.

### **Binary Session Types for Psi-Calculi**

Huttel, H., 31 Oct 2016, *Programming Languages and Systems: 14th Asian Symposium, APLAS 2016, Hanoi, Vietnam, November 21 - 23, 2016, Proceedings*. Igarashi, A. (ed.). p. 96-115 20 p. (Lecture Notes in Computer Science, Vol. 10017).

### **Foundations of Session Types and Behavioural Contracts**

Huttel, H., Lanese, I., T. Vasconcelos, V., Caires, L., Carbone, M., Denielou, P.-M., Mostrous, D., Padovani, L., Ravara, A., Tuosto, E., Torres Vieira, H. & Zavattaro, G., Apr 2016, In: A C M Computing Surveys. 49, 1, 36 p., 3.

### **Podcasting for Teaching and Learning in Higher Education**

Gnaur, D. & Hüttel, H., 2016, 1. edition - Open Access ed. Aalborg Universitetsforlag. 31 p. (Higher Education Practices Series; No. 2).

### **Students' Experiences of Change in a PBL Curriculum**

Dahl, B., Holgaard, J. E., Hüttel, H. & Kolmos, A., 2016, In: International Journal of Engineering Education. 32, 1(B), p. 384-395

### **Type Inference for Session Types in the Pi-Calculus**

Graversen, E. F., Harbo, J. B., Hüttel, H., Bjerregaard, M. O., Poulsen, N. S. & Wahl, S., 2016, *Web Services, Formal Methods, and Behavioral Types: 11th International Workshop, WS-FM 2014, Eindhoven, The Netherlands, September 11-12, 2014, and 12th International Workshop, WS-FM/BEAT 2015, Madrid, Spain, September 4-5, 2015, Revised Selected Papers*. Hildebrandt, T., Ravara, A., van der Werf, J. M. & Weidlich, M. (eds.). Heidelberg: Springer, p. 103-121 18 p. (Lecture Notes in Computer Science, Vol. 9421).

### **Broadcast and Aggregation in BBC**

Hüttel, H. & Kiilerich Pratas, N., 2015, *Eighth International Workshop on Programming Language Approaches to Communication- and Concurrency-cEntric Systems*. Gay, S. & Alglave, J. (eds.). Electronic Proceedings in Theoretical Computer Science, p. 51-61

### **Studerendes oplevelse af reorganisering af problem-baseret læring på Aalborg Universitet**

Dahl, B. & Hüttel, H., 2015, In: Dansk Universitetspædagogisk Tidsskrift. 10, 19, p. 43-55

### **Types for resources in $\phi$ -calculi**

Hüttel, H., 1 Jan 2014, *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*. Springer, Vol. 8358 LNCS. p. 83-102 20 p. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), Vol. 8358 LNCS).

### **How A Flipped Learning Environment Affects Learning In A Course On Theoretical Computer Science**

Gnaur, D. & Hüttel, H., 2014, *Advances in Web-Based Learning - ICWL 2014 - Lecture Notes in Computer Science: 13th International Conference, Tallinn, Estonia, August 14-17, 2014. Proceedings*. Popescu, E., Lau, R. W. H., Pata, K., Leung, H. & Laanpere, M. (eds.). Springer Publishing Company, Vol. 8613. p. 219-228 (Lecture Notes in Computer Science, Vol. 8613).

### **Types for resources in $\psi$ -calculi**

Hüttel, H., 2013, *TGC 2013: 8th International Symposium on Trustworthy Global Computing (TGC 2013)*. Abadi, M. & Luch Lafuente, A. (eds.). Springer Publishing Company, Vol. 8358. p. 83-102

### **A Secure Relay Protocol for Door Access Control**

Wognsen, E. R., Karlsen, H. S., Calverley, M., Follin, M., Thomsen, B. & Hüttel, H., Nov 2012, *Proceedings of the XII Brazilian Symposium on Information and Computer System Security: SBSeg 2012*. Sociedade Brasileira de Computação (ed.). Porto Alegre, Brasilien: SBC - Sociedade Brasileira de Computação, p. 196-209 14 p. (Anais do SBSeg).

### **Experiences with Web-Based Peer Assessment of Coursework**

Hüttel, H. & Nørmark, K., 2012, *Proceedings of the 4th International Conference on Computer Supported Education*. Helfert, M., Martins, M. J. & Cordeiro, J. (eds.). Portugal: SciTePress, Vol. 2. p. 113-116 6 p.

### **Type-Based Automated Verification of Authenticity in Asymmetric Cryptographic Protocols**

Dahl, M., Kobayashi, N., Sun, Y. & Hüttel, H., 2011, In: Lecture Notes in Computer Science. 6996, p. 75-89 15 p.

### **Typed $\psi$ -calculi**

Hüttel, H., 2011, In: Lecture Notes in Computer Science. 6901, p. 265-279 15 p.

### **Computing effects for correspondence types**

Hüttel, H., 2010, *Proceedings of FCS'09*. Cortier, V. (ed.). p. 75-89

### **Don't Let The Opponents Grind You Down: Type Inference for a Correspondence Certifying Type System with Opponent Typing**

Dahl, M. & Hüttel, H., 2010, *Foundations of Computer Security - Privacy: Models & Analysis 2010 (FCS-PrivMod '10)*.

### **Linear Uniform Receptiveness in a Pi-Calculus with Location Failures**

Hüttel, H., Garm Nielsen, J., Finderup, P. & Svane Knudsen, J., 2010, *Proceedings of CATS 2010 - Computing: The Australasian Theory Symposium*. Australian Computer Society, Vol. 109. (Conferences in Research and Practice in Information Technology , Vol. 109).

### **Transitions and Trees: An Introduction to Structural Operational Semantics**

Hüttel, H., 2010, Cambridge University Press. 290 p.

### **Undecidable equivalences for basic parallel processes**

Hüttel, H., Kobayashi, N. & Suto, T., 1 Jul 2009, In: *Information and Computation*. 207, 7, p. 812-829 18 p.

### **Decidable Fragments of a Higher Order Calculus with Locations**

Hüttel, H., Godskesen, J. C., Haagensen, B. & Bundgaard, M., 2009, *Proceedings of the 15th Workshop on Expressiveness in Concurrency (EXPRESS 2008)*. Gorla, D. & Hildebrandt, T. (eds.). Elsevier, p. 113-138 (Electronic Notes in Theoretical Computer Science; No. 242, Vol. 1).

### **Parametrised Constants and Replication for Spatial Mobility**

Hüttel, H. & Haagensen, B., 2009, In: *Lecture Notes in Computer Science*. 5521, p. 123-142

### **Type inference for correspondence types**

Hüttel, H., Gordon, A. & Hansen, R. R., 2009, *Proceedings of the 6th Workshop on Security Issues in Concurrency (SecCo'08)*. Elsevier, p. 21-36 15 p. (Electronic Notes in Theoretical Computer Science; No. 242, Vol. 3).

### **Verification of Correspondence Assertions in a Calculus for Mobile Ad Hoc Networks**

Hüttel, H., Kühnrich, M. & Godskesen, J. C., 2009, *Proceedings of the 7th International Workshop on the Foundations of Coordination Languages and Software Architectures (FOCLASA 2008)*. 229 ed. Elsevier, Vol. 2. p. 77-93 16 p. (Electronic Notes in Theoretical Computer Science; No. 229, Vol. 2).

### **Secrecy in Mobile Ad-hoc Networks**

Hüttel, H. & Rafnsson, W., 2008, *20th Nordic Workshop on Programming Theory NWPT 2008*. Institute of Cybernetics at Tallinn University of Technology, p. 54-56 3 p.

### **Type inference for a correspondence certifying type system**

Hüttel, H. & Dahl, M., 2008, *20th Nordic Workshop on Programming Theory NWPT 2008*. Alfabpress, p. 22-24 3 p.

### **Types for Access Control in a Calculus of Mobile Resources**

Hüttel, H. & Kühnrich, M., 12 Jun 2007, In: *Electronic Notes in Theoretical Computer Science*. 180, 1, p. 3-15 13 p.

### **A Logical Characterisation of Static Equivalence**

Hüttel, H. & Pedersen, M. D., 2007, *Proceedings of the 23rd Conference on the Mathematical Foundations of Programming Semantics (MFPS XXIII)*. Fiore, M. (ed.). Pergamon Press, p. 139-159 (Electronic Notes in Theoretical Computer Science; No. 173).

### **A Distributed Pi-Calculus with anonymous moves**

Hüttel, H., Godskesen, J. C. & Kühnrich, M., 2006, *Proceedings of the 18th Nordic Workshop on Programming Theory (NWPT'06)*. Háskólinn í Reykjavík

### **Decidability Issues for Extended Ping-Pong Protocols**

Hüttel, H. & Srba, J., 2006, In: *Journal of Automated Reasoning*. 36, 1-2, p. 125-147 23 p.

### **Sandboxing in a Distributed Pi-Calculus**

Hüttel, H. & Kühnrich, M., 2006, *WITS 2006*. Gollmann, D. & Jürjens, J. (eds.). p. 114-128 15 p.

### **Recursion Versus Replication in Simple Cryptographic Protocols**

Hüttel, H. & Srba, J., 2005, *SOFSEM 2005 : Theory and Practice of Computer Science: Proceedings of the 31st Conference on Current Trends in Theory and Practice of Computer Science Liptovský Ján, Slovakia, January 22-28, 2005*. Vojtáš, P., Bieliková, M., Charron-Bost, B. & Sýkora, O. (eds.). IEEE Computer Society Press, p. 178-187 10 p. (Lecture Notes in Computer Science; No. 3381).

### **Recursion vs. Replication in Simple Cryptographic Protocols**

Hüttel, H. & Srba, J., 2005, *Annual Conference on Current Trends in Theory and Practice of Informatics (SOFSEM'05)*. p. 175-184 10 p.

### **Types for Access Control in a Calculus of Mobile Resources**

Hüttel, H. & Kühnrich, M., 2005, *Electronic Notes in Theoretical Computer Science: Proceedings of SecCo'05*. 13 p.

### **Recursive Ping-Pong Protocols**

Hüttel, H. & Srba, J., 2004, *Proceedings of 4th International Workshop on Issues in the Theory of Security*. p. 129-140 12 p.

### **Deciding framed bisimilarity**

Hüttel, H., Feb 2003, In: *Electronic Notes in Theoretical Computer Science*. 68, 6, p. 1-18 18 p.

### **Aliasing Models for Mobile Objects**

Hüttel, H., Kleist, J., Nestmann, U. & Merro, M., 2002, In: *Information and Computation*. 175, 1, p. 3-33

### **Deciding Framed Bisimilarity**

Hüttel, H., 2002, Århus: BRICS - Aarhus University. (BRICS Research Report; No. RS-02-25).

### **Deciding Framed Bisimilarity**

Hüttel, H., 2002, *Proceedings of the 4th International Workshop on Verification (INFINITY'02), Brno, Czech Republic, August 24, 2002: FIMU*. RS-2002-04 ed. p. 1-20

### **Modal Logics for Cryptographic Processes**

Frederup, U., Hüttel, H. & Jensen, N. J., 2002, *Nestmann, Uwe (ed.) : Panangaden, Prakash (ed.): Electronic notes in theoretical computer science*. 68 ed. Pergamon Press

### **Modallogik**

Hüttel, H. & Skovsmose, O., 2000, *Syntaks og semantik*. Hüttel, H. (ed.). Aalborg: Aalborg Universitet

### **Montague-semantik**

Hüttel, H. & Skovsmose, O., 2000, *Syntaks og semantik*. Hüttel, H. (ed.). Aalborg: Aalborg Universitet

### **Aliasing Models for Object Migration**

Hüttel, H., Kleist, J., Nestmann, U. & Merro, M., 1999, *Euro-Par'99 - Parallel Processing: 5th International Euro-Par Conference*. Amestoy, P., Berger, P., Daydé, M., Duff, I., Fraysee, V., Giraud, L. & Ruiz, D. (eds.). 1685 ed. Springer, p. 1353-1368 (Lecture Notes in Computer Science).

**Migration = cloning; aliasing**

Hüttel, H., Kleist, J., Nestmann, U. & Merro, M., 1999, *Proceeding of FOOL6*. Springer, Vol. 1685. p. 1353-1368 (Lecture Notes in Computer Science; No. 1685).

**Actions speak louder than words: Proving bisimilarity for context-free processes**

Hüttel, H. & Stirling, C., Aug 1998, In: *Journal of Logic and Computation*. 8, 4, p. 485-509 25 p.

**Migration = cloning; aliasing**

Hüttel, H., Kleist, J., Nestmann, U. & Merro, M., 1998, RS-98-34 ed. Århus: BRICS - Basic Research in Computer Science

**Proceedings of the Workshop on Semantics of Objects as Processes: SOAP'98, July 18, 1998, Aalborg, Denmark**

Hüttel, H. (.) & Nestmann, U. (.), 1998, Århus: Department of Computer Science, Aarhus University. (B R I C S Notes Series; No. NS-98-5).

**Surrogater i Øjeblik: mod migrering i Obliq**

Hüttel, H., Kleist, J., Nestmann, U. & Sangiorgi, D., 1998, *Proceedings of the Workshop on Semantics of Objects as Processes: Brics Notes Series*. Hüttel, Hans : Nestmann, Uwe (eds.) (ed.). NS-98-5 ed. Department of Computer Science, Aarhus University, p. 43-50

**Surrogates in Øjeblik: Towards Migration in Obliq**

Hüttel, H., Kleist, J., Nestmann, U. & Sangiorgi, D., 1998, *Proceeding of FOOL5*.

**Objects, Types and Modal Logics**

Andersen, D. S., Hüttel, H., Kleist, J. & Pedersen, L. H., 1997, *Proceedings of FOOL4*.

**Relating Semantic Models for the Object Calculus: Preliminary Report**

Aceto, L., Hüttel, H., Ingolfsdottir, A. & Kleist, J., 1997, *Proceedings of EXPRESS'97*.

**Bisimulations for Asynchronous Mobile Processes**

Hansen, M., Hüttel, H. & Kleist, J., 1996, RS-96-8 ed. Århus: BRICS - Basic Research in Computer Science.

**Objects as Mobile Processes**

Hüttel, H. & Kleist, J., 1996, RS-96-38 ed. Århus: BRICS - Basic Research in Computer Science.

**Objects, Types and Modal Logics**

Andersen, D. S., Hüttel, H., Kleist, J. & Pedersen, L. H., 1996, RS-96-49 ed. Århus: BRICS - Basic Research in Computer Science.

**Bisimulation equivalence is decidable for all context-free processes**

Christensen, S., Hüttel, H. & Stirling, C., Sept 1995, In: *Information and Computation*. 121, 2, p. 143-148 6 p.

**Bisimulations for Asynchronous Mobile Processes**

Hansen, M., Hüttel, H. & Kleist, J., 1995, *Proceedings of Tbilisi Symposium on Language, Logic, and Computation*.

**Inferring Effect Types in an Applicative Language with Asynchronous Communication**

Hüttel, H., Hansen, M., Jensen, B. & Kleist, J., 1995, *Proceedings of Second ACM SIGPLAN Workshop on State in Programming Languages*. UII-ENG-95-1702 ed. Dept. of Computer Science, University of Illinois at Urbana-Champaign

**Undecidable equivalences for basic process algebra**

Groote, J. F. & Hüttel, H., Dec 1994, In: *Information and Computation*. 115, 2, p. 354-371 18 p.

### **Undecidable equivalences for basic parallel processes**

Hüttel, H., 1994, *Theoretical Aspects of Computer Software - International Symposium TACS 1994, Proceedings*. Hagiya, M. & Mitchell, J. C. (eds.). Springer, p. 454-464 11 p. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), Vol. 789 LNCS).

### **Bisimulation equivalence is decidable for context-free processes**

Christensen, S., Hüttel, H. & Stifling, C., 1 Jan 1992, *CONCUR 1992 - 3rd International Conference on Concurrency Theory, Proceedings*. Cleaveland, W. R. (ed.). Physica-Verlag, p. 138-147 10 p. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), Vol. 630 LNCS).

### **Actions speak louder than words: Proving bisimilarity for context-free processes**

Hüttel, H. & Stirling, C., Jul 1991, *Proceedings - Symposium on Logic in Computer Science*. IEEE (Institute of Electrical and Electronics Engineers), p. 376-386 11 p. (Proceedings - Symposium on Logic in Computer Science).

### **Silence is golden: Branching bisimilarity is decidable for context-free processes**

Hüttel, H., 1991, *Computer Aided Verification - 3rd International Workshop, CAV 1991, Proceedings*. Larsen, K. G. & Skou, A. (eds.). Physica-Verlag, p. 2-12 11 p. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), Vol. 575 LNCS).

SnS can be modally characterized

Hüttel, H., 1990, In: *Theoretical Computer Science*. 74, 2, p. 239-248 10 p.

### **The use of static constructs in a model process logic**

Hüttel, H. & Larsen, K. G., 1 Jan 1989, *Logic at Botik 1989 - Symposium on Logical Foundations of Computer Science, Proceedings*. Meyer, A. R. & Taitslin, M. A. (eds.). Physica-Verlag, p. 163-180 18 p. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), Vol. 363 LNCS).

## **Projects**

### **BETTY: Behavioural Types for Reliable Large-Scale Software Systems**

Hüttel, H. (Project Participant)

01/10/2012 → 01/11/2015

### **Calculi and verification techniques for security and mobility, 1999-2001**

Hüttel, H. (Project Participant)

01/01/1999 → 31/12/2001

### **PBL og matematik: Hvordan kan PBL fungere på universitetets grundfag? (Strategic Council for Education at AAU)**

Søndergaard, B. D. (PI), Geil, O. (Project Participant), Hüttel, H. (Project Participant), Rasmussen, M. G. (Project Participant) & Rasmussen, J. G. (Project Participant)

01/01/2018 → 01/03/2019

### **TREsPASS: Technology-supported Risk Estimation by Predictive Assessment of Socio-technical Security**

Hansen, R. R. (Project Manager), David, A. (Project Participant), Hüttel, H. (Project Participant) & Larsen, K. G. (Project Participant)

FP7 ICT

01/11/2012 → 31/12/2016

### **Vejledning og IT-plattform: PBL Exchange**

Hüttel, H. (Col), Gnaur, D. (PI) & Nørmark, K. (Project Participant)

01/02/2017 → 01/05/2018

## **Press clippings**

60.000 underskrev forsoningnu.dk



Hüttel, H.  
08/03/2006  
1 item of Media coverage

**Ballade før demonstration**  
Hüttel, H.  
09/06/2020 → 10/06/2020  
5 items of Media coverage

**Blade Runner: 6 teknologier som scifi-mesterværket forudså**  
Hüttel, H.  
05/10/2017  
1 item of Media coverage

**Datalog: Auditorier skader de studerende**  
Hüttel, H.  
19/11/2015  
2 items of Media coverage

**Debat: Afskaf ikke gruppeeksamener**  
Hüttel, H.  
10/12/2005  
1 item of Media coverage

**Debat Fyringer og usikkerhed ødelægger arbejdsmiljø og forskning**  
Hüttel, H. & Ejrnæs, M.  
18/03/2019  
1 item of Media coverage

**Debat: Medarbejdere mener AAU-fyringer ødelægger arbejdsmiljø, uddannelser og forskning**  
Andersen, P. H., Christensen, J. L., Duroux, M., Ejrnæs, M., Hüttel, H., Jørgensen, M. B., Rasmussen, P. H., Jensen, L. R., Kirk, J., Petersen, L. S., Seemann, J. E. & Schultz, T.  
21/03/2019  
1 item of Media coverage

**Det var ikke gået uden internet**  
Hüttel, H.  
25/09/2006  
1 item of Media coverage

**Fuldt hus da Science Slam indtog Studenterhuset**  
Hüttel, H.  
29/04/2014  
1 item of Media coverage

**Hans Hüttel om læseoplevelserne**  
Hüttel, H.  
11/02/2006  
1 item of Media coverage

**Hjerne-Madsen underholder fuld AAU-sal**  
Hüttel, H., Hansen, K. T. & Jensen, W.  
04/11/2014  
2 items of Media coverage

**Kronik: Intelligent design**

Hüttel, H.

31/10/2005

1 item of Media coverage

**Lektor afleverede underskrifter for forsoning**

Hüttel, H.

14/03/2006

5 items of Media coverage

**Lektor afleverer 60.000 underskrifter for forsoning**

Hüttel, H.

13/03/2006

4 items of Media coverage

**Lektor er populær**

Hüttel, H.

09/02/2014

4 items of Media coverage

**Lyrisk rap-battle under Aarhus Festuge**

Hüttel, H.

29/08/2012

2 items of Media coverage

**Miljødeklaration og miljømoms**

Hüttel, H.

18/01/2012

1 item of Media coverage

**Millionstøtte fra Obels familiefond**

Larsen, P. S., Kirk, J., Knudsen, L. B., Gemzøe, A., Jensen, L. P., Wiberg, M., Mønster, L., Boer, H., Jensen, A. A., Kjær-Rasmussen, L. K., Cong, G., Farooq, S., Kofoed, J. P., Cristoffanini, P. R., Zeller, J., Dam, L., Rasmussen, T. A., Bohnen, K. W. A., Jørgensen, M. B., Ricardo, L. C. H., Tan, Z.-H., Christiansen, S. L., Zeng, Y., Yang, Z., Bai, S., Reinbacher, G. S., Stentoft, D., Bygholm, A., Andersen, L. V., Skjøtt-Larsen, J., Knudsen, T., Pedersen, J. M., Heinrich, F., Hejlesen, O., Chen, Z., Christensen, J., Siim, B., Srba, J., Helbo, J., Kørnøv, L., Cancino, H., Hüttel, H., Yin, C., Kirkegaard, P. H., Kristiansen, M., Valero, P., Agger, G., Bredgaard, T., Søndergaard, M., Nielsen, P. V., Mosgaard, M., Lind, J., Lassen, A. H., Nielsen, K. M., Mortensen, T., Thomsen, K., Fajstrup, L., Roslev, P., Andersen, E. S. & Lassen, C.

12/09/2009

1 item of Media coverage

**Mit elendige liv som troll**

Hüttel, H.

12/11/2014

1 item of Media coverage

**Navnestof: Hans Hüttel**

Hüttel, H.

14/12/2011

5 items of Media coverage

**Note**

Hüttel, H. & Kjærdsdam, F.

25/04/2014

2 items of Media coverage

**Ny aktionsgruppe kalder på folkelig opstand**

Faber, L. & Hüttel, H.

25/02/2019

4 items of Media coverage

**Opfølgning på [www.forsoningnu.dk](http://www.forsoningnu.dk)**

Hüttel, H.

27/05/2006

1 item of Media coverage

**Ophedet debat -igen igen**

Hüttel, H.

22/06/2014

1 item of Media coverage

**Over 1.000 forskere og techmoguler i opråb: Sæt øjeblikkeligt udviklingen af kunstig intelligens på pause**

Hüttel, H.

29/03/2023 → 03/04/2023

6 items of Media coverage

**Perfekt klonede menneskelige stemmer trænger ind i din øregang**

Hüttel, H.

20/04/2023 → 28/04/2023

3 items of Media coverage

**Portræt: Bo Warming**

Hüttel, H.

01/02/2007

1 item of Media coverage

**Robotterne vil forandre universiteterne**

Hüttel, H.

28/04/2023

1 item of Media coverage

**Stor opbakning til underskriftsindsamling**

Hüttel, H.

01/03/2006

1 item of Media coverage

**Undergrunden vil se velforberedte rappertæsk**

Hüttel, H.

13/09/2012

1 item of Media coverage

**Underskriftsindsamling for forsoning**

Hüttel, H.

07/02/2006

1 item of Media coverage

**Underskriftsindsamling gik over al forventning**

Hüttel, H.

01/03/2006

1 item of Media coverage

**Vejen gennem rock'n'roll**  
Hüttel, H.  
26/04/2014  
1 item of Media coverage

**Årets underviser**  
Hüttel, H.  
12/09/2013  
4 items of Media coverage