

## Curriculum Vitae

Joris Hulstijn

### Persoonlijke Gegevens

naam: Hulstijn  
voornaam: Joris  
geboren: 13 August 1970, te Nijmegen  
adres: Pythagorasstraat 113-I,  
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### Opleiding

2007 - 2010 Executive Master IT Auditing<sup>1</sup>, Vrije Universiteit, Amsterdam  
scriptie: *Practical risk analysis methods for the IT auditor*, met V. Damen, bij dhr. C. Coumou  
1995 - 2000 Informatica (dr.), Universiteit Twente, Enschede  
proefschrift: *Dialogue Models for Inquiry and Transaction*, bij prof.dr.ir. A. Nijholt  
1989 - 1995 Informatica (drs.), Universiteit van Amsterdam, afstudeerrichting: artificial intelligence  
scriptie: *Presuppositions in Update Semantics*, bij dr. H. Zeevat  
stage: Centre for Cognitive Science, University of Edinburgh (Feb - Aug 1994)  
1989 - 1995 Wijsbegeerte, Universiteit van Amsterdam, taal filosofie en logica (niet afgestudeerd)  
1988 - 1989 Philosophy and Cognitive Science, School of Cognitive Sciences, University of Sussex  
1982 - 1988 Voorbereidend Wetenschappelijk Onderwijs (VWO), Stedelijk Gymnasium Nijmegen

### Werkervaring

nov 2010 – heden *Universitair Docent Compliance Management*  
Faculteit Techniek, Bestuur en Management, Technische Universiteit Delft  
project: opzetten en coördineren van de nieuwe master's opleiding in Compliance Management  
onderzoek: model-based auditing, continuous control monitoring, e-government  
nov 2010 – nov 2011 *Adviseur*  
Thauris B.V., Den Haag, een adviesbureau gespecialiseerd in IT oplossingen voor de overheid  
projecten: continuous control monitoring, metadata management  
sept 2010 - heden *Universitair Docent Bestuurlijke Informatieverzorging*,  
School of Accountancy and Controlling, Nyenrode Business Universiteit, Breukelen  
onderwijs: bestuurlijke informatieverzorging (BIV-IC) bij de postgraduate master in Accounting,  
cursus 'Omgaan met open normen' voor de Belastingdienst, met drs. C.B. Burgemeestre,  
begeleiden van afstudeerders  
aug 2007 - aug 2010 *Universitair Docent IT Audit*,  
Faculteit Economie en Bedrijfswetenschappen, Vrije Universiteit, Amsterdam  
onderzoek: integriteit van informatie, zelfregulering, audit methodiek  
onderwijs: werkgroepen en colleges IT Audit, begeleiden van AIO's en afstudeerders  
aug 2004 - juli 2007 *Universitair Docent Informatiesystemen*,  
Faculteit Economie en Bedrijfswetenschappen, Vrije Universiteit, Amsterdam  
onderzoek: vertrouwen, beheersing van netwerkorganisaties, informatiesystemen in de zorg  
onderwijs: informatiesystemen, methoden van onderzoek, begeleiden AIO's en afstudeerders  
feb 2003 - juli 2004 *Postdoc Intelligente Systemen*,  
Faculteit Informatica, Universiteit Utrecht  
onderzoek: agent programmeertalen (3APL), agent communicatietalen  
onderwijs: filosofie van de informatica, software project, begeleiden van afstudeerders  
2000 - 2002 *Postdoc / Universitair Docent Artificial Intelligence*,  
Faculteit der Exacte Wetenschappen, Vrije Universiteit, Amsterdam

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<sup>1</sup> Geeft met drie jaar auditervaring recht op RE titel (geregistreerd EDP auditor) van beroepsorganisatie NOREA.

onderzoek: agent-based software engineering, cognitieve architecturen (BOID)  
onderwijs: Prolog, kennissystemen, begeleiden van afstudeerders  
1995 - 2000 *Assistent in Opleiding Taaltechnologie*,  
Faculteit Informatica, Universiteit Twente, Enschede  
onderzoek: natuurlijke taal verwerking, dialoog, multi-modale interactie  
onderwijs: software engineering, inleiding programmeren, begeleiden van afstudeerders

### Projectervaring

2010-heden Compliance Management (<http://www.delfttoptech.nl/compliance/>) TU Delft, Delft  
Opleidingscoördinator van de nieuwe master's opleiding Compliance Management:  
steun zoeken, opzetten en coördineren van het programma, werven van studenten  
2007-2010 ITAIDE (EU 6<sup>th</sup> Framework <http://www.itaide.org/>) Vrije Universiteit, Amsterdam  
Herontwerp van douaneprocedures met behulp van IT om administratieve lasten te verlichten  
2006-2007 FruX (Freeband, BSIK programma) Vrije Universiteit, Amsterdam  
Ontwikkeling van contextafhankelijke diensten in de zorg (AWBZ), o.a. dienstenbundels  
2003-2004 Postdoc Project: Agent-oriented Programming, Universiteit Utrecht (NWO)  
Ontwikkeling van een agent programmeertaal (3APL) op een Java platform  
2000-2002 Postdoc project: Agent-based software engineering, Vrije Universiteit, Amsterdam (NWO)  
1995-2000 Promotie onderzoek: SCHISMA, Universiteit Twente  
Ontwikkeling van natuurlijke taal dialogosysteem voor verkoop van kaartjes in de schouwburg

### Andere werkzaamheden

**Advieswerk**, bij Thauris B.V., Den Haag (drs. R. van Wijk, ir. N. de Winne)

- Kennisontwikkeling en advieswerk over IT projecten bij de Nederlandse overheid

**IT auditwerk**, bij Noordbeek IT Audit, Hazerswoude (prof.dr. ir. R. Paans (RE), drs. J. van de Vlugt (RE))

- herhaalde ISO 27001 audits op de informatiebeveiliging van een datacentrum (aug 2007, mei 2008)
- SAS-70 type-II audit op de informatiebeveiliging bij een application service provider (jan 2008)

**Reviewer** voor de tijdschriften Data and Knowledge Engineering, Journal of Automated Agents and Multi-agent Systems, en conferenties op het gebied van multi-agent systemen, informatiesystemen and taaltechnologie.

**Begeleiding van AiO's** (met prof.dr. Y.-H. Tan; dr. M. Janssen)

Vera Kartseva (2005-2008), Wiekram Tewarie (2007-2010), Brigitte Burgemeestre (2008 - heden),

### Referenties

prof.dr.ir. Paans RE, Vrije Universiteit, Amsterdam, 31 71 3416911, ronald.paans@noordbeek.com

prof.dr. Y-H. Tan, Technische Universiteit Delft, 31 15 2788077, y.tan@tudelft.nl

prof.dr. L. van der Torre, Université de Luxembourg, 352 46 66445261, leon.vandertorre@uni.lu

### Publicaties

Deze publicaties zijn te vinden op: <http://homepage.tudelft.nl/w98h5/biblio.html>

### Artikelen in internationale tijdschriften

Boella, G., Damiano, R., **Hulstijn, J.** and Van der Torre, L. (2007), A Common Ontology of Agent Communication Languages: Modeling Mental Attitudes and Social Commitments using Roles. *Applied Ontology* 2(3 - 4): 217–265.

Boella, G., **Hulstijn, J.**, Governatori, G., Riveret, R., Rotolo, N. and Van der Torre, L. (accepted) Time and defeasibility in FIPA ACL semantics. *Journal of Applied Logic*.

Boella, G., **Hulstijn, J.** and Van der Torre, L. (2005) Interaction in Normative Multiagent Systems, *Electronic Notes in Theoretical Computer Science* 141(5): 135–162.

Broersen, J., Dastani, M., **Hulstijn, J.** and Van der Torre, L. (2002) Goal Generation in the BOID Architecture. *Cognitive Science Quarterly* 2(3 - 4): 431–450.

Burgemeestre, B., **Hulstijn, J.** and Tan, Y.-H. (accepted) Value-based Argumentation for Justifying Compliance, *Artificial Intelligence and Law*, G. Sartor (ed.) special issue on normative systems.

Dastani, M., **Hulstijn, J.** and Van der Torre, L. (2005). How to decide what to do? *European Journal of Operational Research*, 160(3):762–784.

- Hulstijn, J.** en Maudet, N. (2006) Uptake and Joint Action. *Cognitive Systems Research* 7(2 - 3): 175–191.
- Kartseva, V., **Hulstijn, J.**, Gordijn, J. and Tan, Y - H. (2010) Control Patterns in a Healthcare Network. *European Journal of Information Systems* 19: 320 - 343.
- Vermaas, P.E., Tan, Y-H., van den Hoven, J., Burgemeestre, B. and **Hulstijn, J.** (2010) Designing for Trust: A Case of Value-Sensitive Design, *Knowledge, Policy and Technology* 23(3-4): 491 -- 505.

#### Boeken

- Hulstijn, J.** (1995). Presupposition in update semantics. *Afstudeerscriptie, Faculteit Wiskunde en Informatica, Universiteit van Amsterdam.*
- Hulstijn, J.** (2000). Dialogue Models for Inquiry and Transaction. *Proefschrift, Universiteit Twente.*
- Damen, V. en **Hulstijn, J.** (2010). Practical risk analysis methods for the IT auditor, *afstudeerscriptie, Afdeling IT Audit. Vrije Universiteit, Amsterdam.*

#### Artikelen en hoofdstukken in gereviewde conferentiebundels of boeken

- Bharosa, N., **Hulstijn, J.**, Janssen, M., Tan, Y.H., Van Wijk, R. and De Winne, N. (2011) Towards a Lean-Government using New IT-Architectures for Compliance Monitoring, in: *Proceedings of 5th International Conference on Theory and Practice of Electronic Governance (ICEGOV'11)*, 26 - 28 September 2011, Tallinn.
- Bharosa, N., Janssen, M., **Hulstijn, J.**, De Winne, N., Van Wijk, R. (2011) Principles for transforming to Standard Business Reporting: Lessons learned from the Netherlands, in : *Proceedings of the 12th Annual International Conference on Digital Government Research (DGO'11)*, June 12-15, College park, MD.
- Bharosa, N., Van der Voort, H., **Hulstijn, J.**, Janssen, M., De Winne, N., Van Wijk, R. (2011) Impose with leeway: combining an engineering and learning approach in the management of public-private collaboration, in: *Proceedings of The Tenth Conference on Electronic Government (EGOV'11)*, 28th of August -- 2nd of September, Delft, The Netherlands. <http://homepage.tudelft.nl/w98h5/Articles/principles.pdf>
- Boella, G., Damiano, R., **Hulstijn, J.** and Van der Torre, L. (2006), Role - Based Semantics for Agent Communication. *Proceedings of the Fifth International Joint Conference on Multiagent Systems (AAMAS'06)*, 688–690.
- Boella, G., Damiano, R., **Hulstijn, J.** and Van der Torre, L. (2007) Distinguishing Propositional and Action Commitment in Agent Communication In: Kibble, R., Reed, C., Grasso, F. (eds.) *Proceedings of the Workshop on Computational Models of natural Argument (CMNA'07)*.
- Boella, G., Gerbrandy, J. and **Hulstijn, J.** (2007) A Flexible Mechanism for Dialogue Design In: D. Samet (ed.) *Proceedings of the 11th Conference on Theoretical Aspects of Rationality and Knowledge (TARK'07)*, 160–168.
- Boella, G. **Hulstijn, J.** and Van der Torre, L. (2005) Decision - Theoretic Deliberation in Resource Bounded Self - Aware Agents. In: McIlraith, S., Peppas, P., Thielscher, M. (eds.) *Proceedings of the 7th International Symposium on Logical Formalizations of Commonsense Reasoning (CommonSense'05)*.
- Boella, G., **Hulstijn, J.** and Van der Torre, L. (2005) Virtual Organizations as Normative Multiagent Systems. In: Sprague, R.H.(ed.) *Proceedings of the Hawaii International Conference on System Sciences (HICSS'05)*, 192– 202.
- Boella, G., **Hulstijn, J.**, Tan, Y - H. and Van der Torre, L. (2005) Transaction Trust in Normative Multiagent Systems. In: Sabater, J. (ed.) *Proceedings of 8th Workshop on Trust, Privacy, Deception and Fraud in Agent Societies (Trust'05)*.
- Boella, G., **Hulstijn, J.**, Tan, Y - H. and Van der Torre, L. (2006) Modeling Control Mechanisms with Normative Multiagent Systems: The Case of the Renewables Obligation. Lindemann et al. (Eds.): *Proceedings of Workshop on Agents, Norms and Institutions for Regulated Multiagent Systems (ANIREM and OOP'05)*, LNCS 3913, Springer - Verlag, 109–121.
- Boella, G., **Hulstijn, J.** and Van der Torre, L. (2009). Social network semantics for agent communication In: Jaime Sichman and Keith Decker (eds.) *Proceedings of The Eighth International Conference on Autonomous Agents and Multi - agent Systems (AAMAS'09)*, 1215 - 1216.
- Bouwman, G. and **Hulstijn, J.** (1998) Dialogue (Re -)Design with Reliability Measures. In: Rubio, A. (ed.) *Proceedings of Conference on Language Resources and Evaluation (LREC'98)*, 191–198.
- Broersen, J., Dastani, M., Huang, Z., **Hulstijn, J.** and Van der Torre, L. (2001) The BOID architecture: conflicts between beliefs, obligations, intentions and desires. In: *Proceedings of the Fifth International Conference on Autonomous Agents (AA'2001)*, 9–16.
- Burgemeestre, B., **Hulstijn, J.** and Tan Y - H. (2009) Rule - based versus Principle - based Regulatory Compliance, in: G. Governatori (ed.) *Legal Knowledge and Information Systems (JURIX'09)*, *Frontiers in Artificial Intelligence and Applications* 205, IOS Press, 37 - 46.
- Burgemeestre, B., **Hulstijn, J.** and Tan Y - H. (2009) Agent Architectures for Compliance, in: H. Aldewereld, V. Dignum, and G. Picard (Eds.) *Proceedings of the 10th Annual International Workshop Engineering Societies in the Agents World (ESAW'09)*, LNCS 5881, Springer Verlag, 68 - 83.

- Burgemeestre, B., **Hulstijn, J.** and Tan Y - H. (2009) Towards an architecture for self - regulating agents: a case study in international trade, in: A. Polleres, J. Padget (eds.) Proceedings of the MALLOW Workshop on Coordination, Organization, Institutions and Norms (COIN@MALLOW'09).
- Burgemeestre, B., Liu, J., **Hulstijn, J.** and Tan Y - H.(2009) Early requirements engineering for e - customs decision support: Assessing overlap in mental models, in: Eric Yu, Johann Eder, Colette Rolland (eds.) Proceedings of the Forum at the CAiSE Conference, 31–36.
- Burgemeestre, B., **Hulstijn, J.** and Tan Y - H. (2010) Value - based Argumentation for Justifying Compliance, in: Governatori, G. and Sartor, G. (eds.) Deontic Logic in Computer Science (DEON'10).
- Burgemeestre, B., **Hulstijn, J.** and Tan Y - H. (2010) The Role of Trust in Government Control of Businesses, in: Zimmermann, H - D.(ed.) Proceedings of the 23rd Bled eConference (Bled'10).
- Burgemeestre, B., **Hulstijn, J.** and Tan Y - H.(2010) Norm Emergence in Regulatory Compliance, in: Verhagen, H., Grossi, D. and Davidsson, P.(eds.) Proceedings of the 5th International Workshop on Normative Multi - Agent Systems (Normas'10).
- Dastani, M., Herzig, A., **Hulstijn, J.** and Van der Torre, L. (2004) Inferring trust. In: Leite (ed.) Proceedings of Fifth Workshop on Computational Logic in Multi - agent Systems (CLIMA'04), LNAI 3487, Springer Verlag, 144–160.
- Dastani, M., **Hulstijn, J.**, Dignum, F. and Meyer, J - J. Ch. (2004). Issues in Multiagent System Development. In: Jennings, N.R. et al (eds.) Proceedings of the third International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS'04), 922–929.
- Dastani, M., **Hulstijn, J.** and Dignum, F. (2004). Coherence Constraints for Agent Interaction. In: Van Eijk, R., Dignum, F., Huget, M - P. (eds.) Agent Communication, Proceedings of the AAMAS Workshop on Agent Communication (AC'04), LNCS 3396, Springer Verlag, 134–152.
- Fokkema, W. and **Hulstijn, J.** (2011) Process Compliance in Public Information Chains, in: Proceedings of The Tenth Conference on Electronic Government (EGOV'11).
- Governatori, G., **Hulstijn, J.**, Riveret, R., and Rotolo, A. (2007) On the Representation of Deadlines in a Rental Agreement, in: A. R. Lodder, L. Mommers (eds.) Legal Knowledge and Information Systems (JURIX'07), Springer Verlag, 169–170.
- Governatori, G., **Hulstijn, J.**, Riveret, R., and Rotolo, A. (2007) Characterising Deadlines in Temporal Modal Defeasible Logic, In: Orgun M. and Thornton J. (eds.), Proceedings of the Twentieth Australian Joint Conference on Artificial Intelligence (AUSTAI'07), Springer Verlag, 486–496.
- Hulstijn, J.** (1996). Presupposition accommodation in a constructive update semantics. In Durieux, G., Daelemans, W., and Gillis, S. (eds.), Proceedings of Computational Linguistics in the Netherlands (CLIN'96), 129–146.
- Hulstijn, J.** (1999). Modelling usability: development methods for dialogue systems. In: Alexandersson, J. (ed.) Proceedings of the IJCAI workshop on Knowledge and Reasoning in Practical Dialogue Systems, 49–56.
- Hulstijn, J.** (2000). Dialogue games are recipes for joint action. In: Poesio, M. and Traum, D. (eds.) Formal Semantics and Pragmatics of Dialogue (GötaLog'00), 99–106.
- Hulstijn, J.** (2002) Issues and Awareness. In: Katz, G. et al (eds.) Proceedings of the 6th meeting of the Gesellschaft für Semantik (Sinn und Bedeutung VI), 151–167.
- Hulstijn, J.** (2003) Roles in Dialogue. In: I. Kruijff - Korbayova (ed.) Proceedings of the 7th Workshop on Formal Semantics and Pragmatics of Dialogue (Diabrück), 43–50.
- Hulstijn, J.** (2006) Accommodating Social Relationships. In: D. Schlangen and R. Fernandez (eds.) 10th Workshop on Semantics and Pragmatics of Dialogue (Brandial), 189–190.
- Hulstijn, J.** (2008) Need to Know: Questions and the Paradox of Epistemic Obligation, in R. van der Meyden and L. van der Torre (eds.) Deontic Logic in Computer Science (DEON'08), LNCS 5076, Springer Verlag, 125–139.
- Hulstijn, J.** and Gordijn, J. (2010) Risk Analysis for Inter-organizational Controls, in: Jos Cordeiro (ed.) Proceedings of the 12th International Conference on Enterprise Information Systems (ICEIS'10).
- Hulstijn, J.** and Hessen, A. van (1998). Utterance generation for transaction dialogues. In: Manell, R. H. and Jordi, R.H. (eds.) Proceedings International Conference on Speech and Language Processing, (ICSLP'98), 1143–1146.
- Hulstijn, J.**, Liu, J., Tan, Y - H. (2008) Delegation of Control in Administrative Procedures, in R. van der Meyden and L van der Torre (eds.) Deontic Logic in Computer Science (DEON'08), LNCS 5076, Springer Verlag, 81–95.
- Hulstijn, J.** and Maudet N. (2003) Uptake by Conditional Obligations. In: Dekker, P. and van Rooy, R. (eds.) Proceedings of the 14th Amsterdam Colloquium, 141–146.
- Hulstijn, J.**, Steetskamp, R., ter Doest, H., van de Burgt, S. and Nijholt, A. (1996). Topics in SCHISMA dialogues. In Luperfoy, S., Nijholt, A., and Veldhuijzen van Zanten, G. (eds.), Dialogue Management in Natural Language Systems (TWLT11), 89–100.
- Hulstijn, J.**, Tan, Y - H. and Van der Torre, L. (2005) Analyzing Control Trust in Normative Multiagent Systems. Proceedings of the 18th Bled Conference: eIntegration in Action (Bled'05).
- Hulstijn, J.**, Van Wijk, R., De Winne, N., Bharosa, N., Janssen, M. and Tan, Y.-H. (2011) Public Process Management: a method for introducing Standard Business Reporting, in : Proceedings of the 12th Annual International Conference on Digital Government Research (DGo'2011).

- Hulstijn, J.**, Christiaanse, R., Bharosa, N., Schmid, F., Van Wijk, R., Janssen, M. and Tan, Y.-H. (2011) Continuous Control Monitoring-based Regulation: a case in the meat processing industry, in: Proceedings of the CAISE Workshop on the impact of Governance, Risk and Compliance on Information Systems (GRCIS'2011).
- Hulstijn, J.**, Van der Jagt, J. and Heijboer, P. (2011) Integrity of Electronic Patient Records, in: Proceedings of The Tenth Conference on Electronic Government (EGOV 2011).
- Kartseva, V., **Hulstijn, J.**, Tan, Y. - H. and Gordijn, J. (2006) Towards Value - based Design Patterns for Inter - Organizational Control, Proceedings of the 19th Bled Conference: eValues (Bled'06).
- Kartseva, V., **Hulstijn, J.**, Gordijn, J. and Tan, Y. - H. (2006) Modelling Value - based Inter - Organizational Controls in Healthcare Regulations, 6th IFIP conference on e - Commerce, e - Business, and e - Government (I3E'06), 279–291.
- Kartseva, V., **Hulstijn, J.**, Tan, Y - H., Gordijn, J. (2007) Control Patterns in a Healthcare Network, in: J. B. Cushing and T. A. Pardo (eds.) Proceedings of the 8th Annual International Conference on Digital Government Research, (DGo'07), 66–75.
- Liu, J., Burgemeestre, B., **Hulstijn, J.** and Tan Y - H. (2009) IT enabled risk management for Taxation and Customs: the case of AEO assessment in the Netherlands. In: Wimmer, M.A.; Scholl, H.J.; Janssen, M.; Traunmiller, R. (Eds.) Proceedings of the 8th International Conference on Electronic Government (EGOV09), LNCS 5693, Springer Verlag, 376–387.
- Nijholt, A. and **Hulstijn, J.** (2000) Multi - modal Interactions with Agents in Virtual Worlds. In: N. Kasabov (ed.) Future Directions for Intelligent Systems and Information Science, Studies in Fuzziness and Soft Computing 45, Physica - Verlag, 148–173.
- Rotolo, A., Boella, G., Governatori, G., **Hulstijn, J.**, Riveret, R. and Van der Torre, L. (2008) Time and Defeasibility in FIPA ACL Semantics In: Proceedings of the IEEE/WIC/ACM International Conference on Intelligent Agent Technology (WI - IAT08), IEEE Press, 634–637.
- Tan, Y - H., Hofman, W., Gordijn, J., and **Hulstijn, J.** (2011) A Framework for the Design of Service Systems, in: Demirkan, H., Spohrer, J. and Krishna, V. (eds.) Service Systems Implementation, Springer Verlag, 51 - 74.
- van der Torre, L., **Hulstijn, J.**, Dastani, M. and Broersen, J. (2004) Specifying Multiagent Organizations. In: Lomuscio, A., Nute, D. (eds.) Deontic Logic in Computer Science (DEON'04),