

Brief Curriculum Vitae

Mathias Schulze

- 1996—2001 **PhD** (Language Engineering; Applied Linguistics), UMIST, Manchester, UK
dissertation: *Textana*—Grammar and grammar checking in parser-based CALL¹
- 1985—90 *Diplomlehrer für Deutsch und Russisch*, Pädagogische Hochschule Leipzig, Germany, 1990 (MA equivalent with K-12 teaching qualification for German and Russian languages and literatures including courses in developmental and learning psychology, education theory, language-teaching methodology)

Employment

- 2017— **Co-director, Principal Investigator of the Language Acquisition Resource Center**, San Diego State University, USA
- 2017— **Professor of German and European Studies**, San Diego State University, USA
- 2015 Guest professor, Universität Mannheim, Germany
- 2001—17 Professor of German, University of Waterloo, Canada
- 2009—17 Director, Waterloo Centre for German Studies, University of Waterloo, Canada
- 1995—2001 Lecturer in German Linguistics and CALL, UMIST, Manchester, UK
- 1992—95 Lecturer in German, Manchester Metropolitan University, UK
- 1991—92 Part-time Lecturer in German, University of Sunderland, UK

Research grants (selection)

2017	Canada Foundation for Innovation: Language Interaction Laboratory (principal investigator)	\$106,000
2017	SSHRC Insight: Language learning processes revisited: adaptive instruction in technology-mediated contexts (co-investigator)	\$232,625
2014—16	WCGS and German-Canadian Education Fund: <i>Germans of Waterloo—Oral History Project</i> (principal investigator)	\$40,000
2010—14	SSHRC SRG: <i>Scaffolding and individualized instruction in CALL</i> (co-investigator)	\$117,830
2007—10	SSHRC SRG <i>Learner variability and student modeling</i> (principal investigator)	\$151,113
2001	Wes Graham Fund <i>Geroline—Research and development of elementary online German courses</i> (co-investigator)	\$25,000
1990—92	State of Saxony (Germany) Doctoral Research Scholarship	DM24,000

SDSU-LARC revenue from federal grants and contracts

2017—22	National Language Training Center (IIE/DLNSEO), Project Global Officer (IIE/DLNSEO), STARTALK Summer Camps (STARTALK), Southern Area International Languages International Languages Network (ESSA, CSMP)	~\$15,000,000
---------	---	---------------

PUBLICATIONS

Books and special issues (11)

- Schulze, Mathias, Grit Liebscher, and Sebastian Siebel-Achenbach (eds.) (2022) *Germans of Waterloo Region*. Ottawa: Petra Books.
- Schulze, Mathias and Marie-Josée Hamel (eds.) (2021/1999) *Natural Language Processing in Computer Assisted Language Learning. ReCALL 11.S1*. (republication of an independently published special issue)
<https://www.cambridge.org/core/journals/recall/issue/A0EAAD23714ECF532EDE90646A0B32B0#>
- White, Benjamin J., Gánem-Gutiérrez, Gabriela Adela, & Schulze, Mathias (2021). *Conceptualization and Orientation in Concept-based Language Instruction*. Special issue of *Language and Sociocultural Theory* 8.1.
- Hubbard, Philip, Mathias Schulze, and Bryan Smith (eds.) (2013) *Learner Computer Interaction in Language Education. A Festschrift in Honor of Robert Fischer*. San Marcos, TX: CALICO.
- Caws, Catherine, Marie-Josée Hamel, and Mathias Schulze (eds.) (2011) *Computer-assisted Language Learning in Canada*. Special issue of the *CALICO Journal* 25.3.
- Schulze, Mathias, James M. Skidmore, David G. John, Grit Liebscher, and Sebastian Siebel Achenbach (eds.) (2008) *German Diasporic Experiences. Identity, Migration, and Loss*. Waterloo: Wilfrid Laurier University Press.
- Schulze, Mathias (ed.) (2008) *Interfaces in Intelligent CALL*. Special issue of *Computer Assisted Language Learning* 21.4 London: Routledge.

¹ I completed my PhD part-time, while working full-time in a faculty position at UMIST between 1 January 1996 and 1 July 2001.

- Heift, Trude and Mathias Schulze (2007) *Errors and Intelligence in Computer-assisted Language Learning. Parsers and Pedagogues*. New York: Routledge.
- Heift, Trude and Mathias Schulze (eds.) (2003) *Error analysis and error correction in computer-assisted language learning. Special issue of the CALICO Journal* 20.3.
- Schulze, Mathias, Marie-Josée Hamel, and June Thompson (eds.) (1999) *Language processing in computer-assisted language learning. Proceedings of the one-day conference on NLP in CALL 9 May 1998 at UMIST*.

Articles in refereed journals (34)

- White, Benjamin J., Gánem-Gutiérrez, Gabriela Adela, & Schulze, Mathias (2021). Conceptualization and Orientation in Concept-based Language Instruction: An Introduction to the Special Issue. *Language and Sociocultural Theory* 8.1, 1–7.
- Schulze, Mathias and Kyle Scholz (2018). Learning trajectories and the role of online courses in a language program. *Computer Assisted Language Learning* 31.3, 185-205.
- Scholz, Kyle and Mathias Schulze (2017). Digital-gaming trajectories and second-language development. *Language Learning & Technology* 21.1, 100–120.
- Heift, Trude and Mathias Schulze (2015) Tutorial CALL. *Language Teaching* 48.4, 471-490.
- Schulze, Mathias and Bryan Smith (2015) In theory—we could be better. *CALICO Journal* 32.1, i-vi.
- Penner, Nikolai and Mathias Schulze (2010) Group work in a technology-rich environment. *Journal of Interactive Learning Research* 21(1), 111-137.
- Schulze, Mathias and Grit Liebscher (2010) Going in cycles: Courseware and material development for written communication. *CALICO Journal* 27(3), 554-563.
- Schulze, Mathias and Nikolai Penner (2008) Construction Grammar in ICALL. *Computer Assisted Language Learning* 21 (5), 427-440.
- Schulze, Mathias (2008) AI in CALL: Artificially inflated or almost imminent? *CALICO Journal* 25.3, 510-527.
- Schulze, Mathias (2008) Interfaces in Intelligent CALL. *Computer Assisted Language Learning*. vol. 21 no. 4, 301-304.
- Schulze, Mathias, Grit Liebscher, Mei Zhen Su (2007) Geroline. Student perception and attainment in an online German-language course. *German as a Foreign Language* 1/2007, 1-25.
- Heift, Trude and Mathias Schulze (2003) Student modeling and *ab initio* language learning. *System* 31.4, 519-535.
- Schulze, Mathias (2003) Grammatical errors and feedback: Some theoretical insights. *CALICO Journal* 20.3, 437-450.
- Heift, Trude and Mathias Schulze (2003) Error diagnosis and error correction in CALL. In: *CALICO Journal* 20.3, 433-436.
- Liebscher, Grit and Mathias Schulze (2002) German online—A course for beginners. *Forum Deutsch* 1/2002, 8-12.
- Schulze, Mathias and Marie-Josée Hamel (2000) Towards authentic tasks and experiences—The example of parser-based CALL. *Canadian Journal of Applied Linguistics* 3.1-2, 79-90.
- Schulze, Mathias (1999) From the developer to the learner: Computing grammar—learning grammar. *ReCALL* 11.1, 117-124.
- Schulze, Mathias (1998) Teaching grammar—learning grammar. Aspects of Second Language Acquisition in CALL. *Computer Assisted Language Learning* 11.2, 215-228.
- Schulze, Mathias (1997) Textana—Text production in a hypertext environment *Computer Assisted Language Learning* 10.1, 71-82.
- Schulze, Mathias (1992) Text und Textklassen—Versuch einer Begriffsbestimmung. *Textlinguistik. Beiträge zur Theorie und Praxis der Textgestaltung* 17, 103-115. [Text and text classes—Towards a categorization]
- Schulze, Mathias (1991) Computergestützte Analyse der Formulierungsebene von Texten. *Wissenschaftliche Zeitschrift der PH Leipzig III/1991*, 56-67. [Computer-aided analysis of the phrase stratum of texts]

Chapters in books (30)

- Schulze, Mathias, Catherine Caws, Marie-Josée Hamel, and Trude Heift (accepted) Adaptive Instruction. In: Glenn Stockwell (Ed.) *Cambridge Handbook of Technology in Language Teaching and Learning*. Cambridge University Press.
- Schulze, Mathias (accepted) Tutorial CALL — Language practice with the computer. In: Regine Hampel and Ursula Stickler (Eds.) *Bloomsbury Handbook of Language Learning and Technologies*. (pp. TBD) New York: Bloomsbury Publishing.
- Schulze, Mathias (2017) Computer-assisted language learning as complex adaptive systems. In Stephen May (Ed.) *Encyclopedia of Language and Education* (pp. 301–313). New York: Springer.
- Schulze, Mathias and Kyle Scholz (2016) CALL Theory: Complex adaptive systems. In Catherine Caws, Marie-Josée Hamel (Eds.) *Learner-computer interactions: New insights on CALL theories and applications* (pp. 65–88). Amsterdam: John Benjamins Pub.
- Tschichold, Cornelia and Mathias Schulze (2016) Intelligent CALL and written language. In Liam Murray and Fiona Farr (Eds.) *The Routledge handbook of language learning and technology* (pp. 522-535). London: Routledge.
- Blin, Françoise, Catherine Caws, Marie-Josée Hamel, Trude Heift, Mathias Schulze, and Bryan Smith (2015) Data and elicitation methods in interaction-based research. In Gimeno Sanz, Ana, Mike Levy, David Barr (Eds.) *WorldCALL: Sustainability and computer-assisted language learning*. London: Bloomsbury.
- Schulze, Mathias (2013) Computers and language learning in German Studies. In: Plews, John and Barbara Schmenk (eds.) *Traditions and transitions: Curricula for German Studies*. (pp. 279-294) Waterloo: Wilfrid Laurier University Press.
- Schulze, Mathias and Trude Heift (2012). Intelligent CALL. In: Thomas, Michael, Hayo Reinders, and Mark Warschauer (eds.) *Contemporary Computer-Assisted Language Learning*. (pp. 249-265) London: Bloomsbury.
- Liebscher, Grit and Mathias Schulze (2012) Language acculturation: German-speakers in Kitchener-Waterloo. In: Freund, Alexander (ed.)

- Beyond the nation?: Immigrants' local lives in transnational cultures.* (pp.249-267) Toronto: University of Toronto Press.
- Schulze, Mathias (2012) "Learner modeling" In: The Encyclopaedia of Applied Linguistics. 10 volumes, ed. Chapelle, C.A. Oxford, UK: Wiley-Blackwell. (online version n.p.)
- Schulze, Mathias (2010) Taking ICALL to task. In Thomas, Michael and Hayo Reinders (eds.). *Task-based language teaching and technology.* (pp. 63-82) London & New York: Continuum.
- Heift, Trude and Mathias Schulze (2009). The past and the future. In Hubbard, P. (ed.). *Computer Assisted Language Learning, Volume IV, Present trends and future directions in CALL. Critical concepts in Linguistics.* (pp. 337-356) New York: Routledge. [chapter from Heift and Schulze, 2007, reprinted]
- Schulze, Mathias (2008) Modeling SLA processes using NLP. In: Carol A. Chapelle, Yoo-Ree Chung, and Jing Xu (Eds.), *Towards adaptive CALL: Natural language processing for diagnostic assessment.* (pp. 149-166) Ames, IO: Iowa State University.
- Schulze, Mathias and Allan Ramsay (2005) Die Struktur deutscher Worte In: Partridge, John (ed.) (2005) *Getting into German: Multidisciplinary Linguistic Approaches.* (pp. 83-105) Bern: Peter Lang.
- Schulze, Mathias and Heffner, Lori (2003) Speakers of German in Kitchener-Waterloo—Assimilation and shift. In: Henn-Memesheimer, Beate and John, David G. (eds.) (2003) *Cultural Link: Kanada-Deutschland. Festschrift zum dreißigjährigen Bestehen eines akademischen Austauschs.* (pp. 141-158) St. Ingbert: Röhrig Universitätsverlag.
- Schulze, Mathias (2003) Fall als Zu-Fall. Verbvalenz und Kasusmarkierung In: Cornell, Alan, Klaus Fischer, Ian F. Roe (eds.) *Valency in practice/Valenz in der Praxis.* (pp. 89-103) Oxford: Lang, 2003. [Case as prep-case. Verb valence and case-marking]
- Schulze, Mathias (2001) Language technology and language learning. In: Chambers, Angela and Graham Davies (eds.) *ICT and language Learning. A European perspective.* (pp. 111-131) Lisse: Swets&Zeitlinger.
- Schulze, Mathias (1999) The learner-tutor-computer triangle. In: Flude, C and Tebbutt, S (eds.) *Ab initio German: Trends and perspectives.* (pp.69-79) Bradford: University Press.
- Schulze, Mathias (1996) Computer-assisted language learning. In: Leder, G, N. Reimann, and R. Walsh (eds.) *Ab initio language learning.* (pp. 104-118) London: CILT.
- Schulze, Mathias (1996) 'Themen' und der Computer (Document ED 386 928). Washington, DC: Education Resources Information Centre. [The German textbook 'Themen' and the computer] [microfiche]

Conference papers (over 120)

- Schulze, Mathias (2022) What is Intelligent CALL doing in the twenties? Eurocall 2022. Reykyavik, Iceland (online). Plenary presentation in August.
- Schulze, Mathias (2022) The Imitation Game. Smart language learning and artificial intelligence. International CALL Conference 2022. Tokyo, Japan (online). Keynote presentation in July.
- Larsen-Freeman, Diane, Anne Burns, Hossein Farhady, Mathias Schulze, Scott Thornbury, Henry Widdowson, Benjamin White, and Seyed Yasin Yazdi (2022) Diane Larsen Freeman in dialog with colleagues on Complex Dynamic Systems Theory. Webinar. Online in June.
- Schulze, Mathias (2022) Comprehending comprehensible input. CLTA 2022. Online in February.
- Schulze, Mathias (2021) Where have all the tutors gone? AZCALL 2021 in Tempe, AZ (online), in October.
- Schulze, Mathias (2021) Adaptive learning and disruptive technologies — what are we doing? Eurocall 2021. Paris, France (online), in August.
- Nedellec, Cecile, Shahnaz Ahmadeian-Fard, and Mathias Schulze (2021) Interpersonal Communication. CLTA 2021. Online in February 2021.
- Schulze, Mathias (2020) Basics of online language teaching. Foreign Language Council of San Diego. San Diego, California, in September.
- Schulze, Mathias (2020) Reading authentic texts. National LTC Workshop 2020. San Diego, California, in January.
- Schulze, Mathias (2019) Whose text is it anyway? CLTA Jamboree of the Foreign Language Council of San Diego. San Diego, California, in December.
- Novaković, Nadežda and Mathias Schulze (2019) Enhancing language teaching through peer observations. ACTFL 2019. Washington, DC, in November.
- Schulze, Mathias (2019) Using e-portfolios to document students' oral proficiency development. DL/EL Conference 2019. San Diego, California, in January.
- Schulze, Mathias (2018) SCOBA diving – Focusing on the big ideas in language learning. SCTL Conference 2018. Pittsburgh, PA, in November.
- Schulze, Mathias (2018) The pedagogical imperative in CALL. 10th International Conference and Workshops on Technology and Chinese Language Teaching. Taipei, Taiwan, in May. (keynote presentation)
- Schulze, Mathias (2018) Germans of Waterloo Region. Third International Conference on Heritage/Community Languages. Los Angeles, California, in February.
- Schulze, Mathias (2017) Prolegomena zu Deutsch als Minderheitensprache. DAAD Germanistische Begegnungstagung. Toronto, Canada, in April. (invited presentation)

TEACHING

<i>year</i>		<i>Course # & Title</i>
2022	S	EUROP 160 European Reflections on Science and Technology
2021	F	GERMN 301 Grammar and Composition
	S	GERMN 410 Topics in German Studies I: Deutsche Sprache gestern und heute
2020	F	GERMN 301 Grammar and Composition
	S	GERMN 100B online Second course in German
2019	F	GERMN 301 Grammar and Composition
	S	GERMN 410 Topics in German Studies I: Deutsche Sprache gestern und heute
2018	F	GERMN 301 Grammar and Composition

Graduate Supervision (selection)

Summary: supervisor: 5 PhDs, 23 MAs, and 1 MA research paper completed; external examiner for 6 PhDs: in Applied Linguistics (Belgium), Computational and Applied Linguistics (Spain; Norway), Computer Science (Ireland; Waterloo), and for an 1 MA in Linguistics (Canada); internal examiner: 3 PhDs, 1 MPhil, 17 MAs, 5 MA research papers

SERVICE (selected from 2001)**International**

2023—	Co-editor of <i>Unterrichtspraxis / Teaching German</i> (Wiley & American Association of Teachers of German (AATG))
2021—	Treasurer of CALICO (Computer-Assisted Language Instruction Consortium)
2015—	Member of the Editorial Board of <i>System</i> (Elsevier)
2013—16	List editor H-TGS (H-Net list for Transnational German Studies)
2011—19	Co-editor of the <i>CALICO Journal</i>
2009—	Member of the Advisory Board of <i>German as Foreign Language</i>
2007—19	Board member of the special interest group in NLP in Eurocall (European association for computer-assisted language learning)
2007—10	Member of the Executive Board of CALICO
2004—	Member of the Editorial Board of <i>Computer Assisted Language Learning</i> (Routledge)
2001—07	Co-Chair of the Special Interest Group in Intelligent Computer Aided Language Instruction (ICALI) within CALICO
2000—	Member of the Editorial Board of ReCALL – The Journal of Eurocall (Cambridge University Press)
2000—07	Chair of the Special Interest Group in Language Processing within Eurocall
2000—03	Executive Committee member of the European Association for Computer-Assisted Language Learning (Eurocall)

University

2022—	Member of the President's Budget Advisory Committee (San Diego State University)
2020—	Senator, San Diego State University Senate
2017—	Co-director, SDSU-LARC
2009—17	Director, Waterloo Centre for German Studies
2006—09	Founding member of the Canadian Centre of Arts and Technology (CCAT)
2001—06	Member of the Learning and Teaching through Technology Steering Committee
2004—12	Founding member of the Teaching-Based Research Group

Department

2003—08	Graduate Officer and Associate Chair
---------	--------------------------------------