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DPE Digital Preservation Trainers

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DigitalPreservationEurope, building on the earlier successful work of ERPANET, facilitates pooling of the complementary expertise that exists across the academic research, cultural, public administration and industry sectors in Europe. DigitalPreservationEurope (DPE) fosters collaboration and synergies between many existing national initiatives across the European Research Area. DPE addresses the need to improve coordination, cooperation and consistency in current activities to secure effective preservation of digital materials.

Core Partners: HATII at the University of Glasgow (Co-ordinator), Technische Universität Wien, Statsbiblioteket, Nationaal Archief van Nederland, Národní knihovna Ceske republiky, Ministero Per I Beni E Le Attività Culturali, Fondazione Rinascimento Digitale, Vilnius University Faculty of Communication, FernUniversität Hagen.

http://www.digitalpreservationeurope.eu

Name:	Dr. Lars Clausen
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URL:	
Organisation:	The State and University Library
Type of Organisation:	Library
Country:	Denmark
Languages:	Danish, English
Areas of Expertise:	Web archiving, transformation tools, transformation quality assurance, java programming, distributed development

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information supplied herein or about the abilities of this person as a trainer. You should seek independent references.

Curriculum Vitae September 2, 2007

Personal Data

Lars Ræder Clausen
December 29, 1969, Århus, Denmark
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Education

M. Sc.:	1990 - 1998	DAIMI, Department of Computer Science, University of
		Aarhus, Denmark. CS major, math minor. Graduated in
		June 1998 with top grade. Advisor: Olivier Danvy
Ph. D.:	1998 - 2003	Department of Computer Science, University of Illinois at
		Urbana-Champaign. Graduated May 2004. Advisor: Sam
		N. Kamin
Tests:	1998	GRE Score: 670/800/800.

Professional experience

Spring 1998	Programmer at IRISA/INRIA, University of Rennes, France.
	Project: Compression of Java Byte Code for use on embedded
	systems.
1999 - 2000	Part-time system administrator at Department for Theoretical and
	Applied Mechanics.
Summer 2000	Intern at Xerox PARC, Palo Alto. Project: Incremental compila-
	tion for the AspectJ compiler.
2000 - 2001	President of the ACM Special Interest Group for Unix at UIUC
2002 -	Co-maintainer of Dia, an open-source diagramming program.
2003 -	IT developer at The State and University Library in Århus.

List of publications

Lars R. Clausen. A Java bytecode optimizer using side-effect analysis. *Concurrency:* Practice & Experience, 9(11):1031–1045, November 1997.

Lars R. Clausen. Intensional and extensional aspects of Java byte code. Master's thesis, DAIMI, Department of Computer Science, University of Aarhus, Aarhus, Denmark, June 1998.

Sam Kamin, Miranda Callahan, and Lars R. Clausen. Lightweight and generative components I: Source-level components. In *Generative and Component-Based Software Engineering (GCSE'99)*, volume 1799 of *LNCS*, pages 49–62, September 1999.

Lars R. Clausen, Ulrik Pagh Schultz, Charles Consel, and Gilles Muller. Java bytecode compression for low-end embedded systems. *ACM Transactions on Programming Languages and Systems (TOPLAS)*, 22(3):471–489, 2000.

Sam Kamin, Miranda Callahan, and Lars R. Clausen. Lightweight and generative components II: Binary-level components. In *Semantics, Applications, and Implementation* of Program Generation (SAIG 2000), volume 1924 of LNCS, pages 28–50. Springer Verlag, September 2000.

Sam Kamin, Lars R. Clausen, and Ava Jarvis. Jumbo: Run-time code generation for Java and its applications. In *Proceedings of the IEEE International Symposium on Code Generation and Optimization*, pages 48–58, March 2003.

Lars R. Clausen. *Handling File Formats*. Presented at File Formats for Preservation seminar, Austrian National Library, Vienna, May 2004.

Lars R. Clausen. *Optimizations in Distributed Run-Time Compilation*. Ph. D. dissertation, University of Illinois at Urbana-Champaign, May 2004.

Lars R. Clausen *Concerning Etags and Datestamps*. Presented at the Fourth International Web Archiving Workshop, Bath, UK, Sep 2004.

Baris Aktemur, Joel Jones, Samuel N. Kamin and Lars R. Clausen. Optimizing Marshalling by Run-Time Program Generation. In *Generative Programming and Component Engineering (GPCE)*, volume 3676 of *LNCS*, pages 221-236, October 2006.

Lars R. Clausen. Overview of the Netarkivet Web Archiving System. Presented at the 6th International Web Archiving Workshop (IWAW'06), Alicante, Spanien, Sep 2006.

Lars R. Clausen. Opening Schrödingers Library: Semi-automatic QA Reduces Uncertainty in Object Transformation Accepted for ECDL 2007, Budapest, Hungary, September 2007.

Other Qualifications

Very experienced with Java, C and SML. Also experienced with Perl, Scheme, Lisp, OCaml and other languages.

Intimate knowledge of Java bytecode and Java compilation techniques. Familiar with databases (Derby, MySQL), XML, JSP, JMS and JMX. Quite experienced in installing, maintaining and using Linux systems.

Experienced with web crawling and archiving techniques, file formats, and other issues in long-term digital preservation.

Familiar with GTK, autoconf, Emacs programming, $\rm CVS/SVN$ and other development tools.

Good teamworker, creative, 25 years programming experience.

Interests

- Academic: Programming-language design and implementation, compilers, optimization, program analysis, partial evaluation, algorithms, web archiving, and file formats.
- **Other:** Photography, swordfighting, science fiction, languages, board games, meditation, gardening, and roleplaying games.

References

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