

## Laurence Duchien Short Biography – Jan 2016

Laurence Duchien obtained her PhD degree from University Paris 6 LIP6 laboratory in 1988 and she worked on protocols for distributed applications. She joined then the Computer Science Department at CNAM (Conservatoire National des Arts et Métiers), Paris, France as associate professor in September 1990. She worked on design methodologies, proof systems for distributed object-oriented applications, and reflective and aspect-oriented programming. She obtained her Research Direction Habilitation (HDR or tenure) in Computer Science from the University of Joseph Fourier, Grenoble, France in 1999.

She is full professor at University of Lille, France since 2001, member of IEEA Faculty in Computer Science Department and she is research member of Spirals project-team (<https://team.inria.fr/spirals/>). Between January 2007 and December 2012, she was the scientific leader of ADAM team (<http://adam.lille.inria.fr>), a joint project-team between University of Lille, Inria and CNRS (LIFL). Her research interests include development and execution techniques for component-based and service-oriented distributed applications in ambient computing and variability studies in large-scale and mobile applications. She also works on adaptation at different steps of software life cycle. She advised or co-advised 24 PhD (22 completed and 2 in progress). She was reviewer of more than 70 PhD and 13 HDR. She involved in many national and European contracts (EU, ANR, FUI, and private).

She is author or co-author of more than 100 publications in international journals and conferences. She recently served as program committee member in FORTE, ECSA, WICSA, SEAMS, ICSME, SPLC and CBSE conferences. She also involves in the steering committee of the ERCIM Software Evolution Group since 2006. Between 2012 and 2015 she was the leader of GDR CNRS Génie de la Programmation et du Logiciel - a CNRS national research network on Programming and Software Engineering that includes 90 teams and over 700 people in France (<http://gdr-gpl.cnrs.fr/>).

She is currently elected member of research council at University Lille 1. She is chair for the scientific and technical council of business and research cluster in retail domain named PICOM (Pôle de compétitivité des Industries du Commerce). She is also member of the Scientific Advisory Board for the Certus Center, Simula Lab, Norway.

She was in charge of a master program on Software Engineering between 2002 and 2006. She was in charge of the research program for the master of computer science at University Lille1 between 2010 and 2015. Since 2013, she is scientific head of Department for Careers and Employments at Doctoral College and she is director of doctoral program for Computer Science in Doctoral School for Engineering Science, ComUE Lille Nord de France.

### Five selected publications

Renaud Pawlak, Lionel Seinturier, Laurence Duchien, Gerard Florin: JAC: A Flexible Solution for Aspect-Oriented Programming in Java. *Reflection 2001*: 1-24

Naouel Moha, Yann-Gaël Guéhéneuc, Laurence Duchien, Anne-Françoise Le Meur: DECOR: A Method for the Specification and Detection of Code and Design Smells. *IEEE Trans. Software Eng.* 36(1): 20-36 (2010)

Carlos Andres Parra, Xavier Blanc, Anthony Cleve, Laurence Duchien: Unifying design and runtime software adaptation using aspect models. *Sci. Comput. Program.* 76(12): 1247-1260 (2011)

Gabriel Tamura, Rubby Casallas, Anthony Cleve, Laurence Duchien: QoS contract preservation through dynamic reconfiguration: A formal semantics approach. *Sci. Comput. Program.* 94: 307-332 (2014)

Clément Quinton, Daniel Romero, Laurence Duchien: SALOON: A platform for selecting and configuring cloud environments, *Software Practice & Experience*, 46: 55-78 (2016).