

**Associate Professor Pål Ellingsen**  
**Dr. Scient. Computer Science**  
**Western Norway University of Applied Sciences**

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Ellingsen is a Professor of computer science at the Western Norway University of Applied Sciences (HVL). He holds a doctoral degree in computer science within the field of coding theory from the University of Bergen.

Ellingsen is currently managing HVL's master's program in software engineering, and he cooperates with both industry and other academic institutions on different projects. He serves as referee for several different national and international journals and conferences including the IEEE Transactions on Information Theory.

From the beginning of his research career, he has been studying the phenomenon of cluster errors that appears in several different practical settings including storage media, and he has been working extensively on both modelling, detection and correction of such errors in different settings.

His current research and teaching interests includes:

- General software architecture
- Development methodologies
- Software security
- Communication security
- Coding theory

Ellingsen has been contributing to the IARIA events CTRQ and SOFTENG since 2010, among others developing part of his work on cluster error correction. He has also contributed with works within LDPC coding and security in the software development cycle. Lately, he has become more involved with the IARIA organization, giving one of the plenary speeches at NextComm 2016 and serving on the steering committee for the CTRQ conference.

Selected works from IARIA conferences:

1. *Iterative Decoding and Estimation of Two-dimensional Channels with Memory*  
Pål Ellingsen, Aasmund Kvamme  
Proceedings from the 3rd International Conference on Communication Theory, Reliability and Quality of Service (CTRQ 2010)  
2010
2. *Performance Bounds for Regular LDPC Codes for Asymmetric Channels*  
Pål Ellingsen  
Proceedings from the 9th International Conference on Communication Theory, Reliability and Quality of Service  
2016
3. *Integrating Static Taint Analysis in an Iterative Software Development Life Cycle*  
Thomas Lie and Pål Ellingsen  
Proceedings from the Third International Conference on Advances and Trends in Software Engineering  
2017