

## **Unit 11: Future trends in Secure Software Development**

### **Required Reading**

DiBona, C. & Ockman, S. (1999) *Open Sources*. 1st ed. Sebastapol: O'Reilly Media, Inc.

Fritzsch J., Bogner J., Zimmermann A. & Wagner S. (2019) From Monolith to Microservices: A Classification of Refactoring Approaches. In: Bruel JM., Mazzara M., Meyer B. (eds) *Software Engineering Aspects of Continuous Development and New Paradigms of Software Production and Deployment*. DEVOPS 2018. Lecture Notes in Computer Science, vol 11350. Springer.

Roman, R. Lopez, J. & Mambo, M. (2016) Mobile Edge Computing, Fog et al.: A Survey and Analysis of Security Threats and Challenges. *Future Generation Computer Systems* 78(1): 680 - 698.

### **Additional Reading**

Seshia, S., Hu, S., Li, W. & Zhu, Q.,(2017) Design Automation of Cyber-Physical Systems: Challenges, Advances, and Opportunities. *IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems* 36(9):1421-1434. DOI: 10.1109/TCAD.2016.2633961.

Bonomi, F., Milito, R., Zhu, J. & Addepalli, S. (2012) Fog computing and its role in the internet of things. *Proceedings of the first edition of the MCC workshop on Mobile cloud computing - MCC 12 1(1)*: 13-16.