Dr. Tomasz Marcin Orzechowski,

Senior Lecturer, AGH University of Science and Technology,

Krakow, Poland

Location:

I) Course Title

MODULE 1: **PROGRAMMING in JAVA (three separate parts)**

MODULE 2: **JAVA for ANDROID**

II) Course Summary

This course is an introduction to the general Java Programming (module 1) and the use of Java for Mobile Devices (module 2). The module 1 and all its part could be treated as some separate lectures with exercises, so students do not need to join all three parts.

Program Schedule

MODULE 1 (2 parts)

1. Java for beginners - part 1 (3 hours)   **September 8th: 11am - 1:15 pm**

     a. *Classes and objects, exceptions, streams;*
     b. *Introduction to graphics (SWING);*
     c. *The use of ECLIPSE.*

2. Java for beginners - part 2 (2 hours)   **September 8th: 1:30 pm - 3 pm**

     a. *Writing more advanced applications in ECLIPSE IDE;*
     b. *The use of log4j, jSoup, threads and SQLITE.*

MODULE 1 (third part)

3. Graphics in Java (2 hours)   **September 9th: 11am - 12:30 pm**

     a. *The use of NetBeans*
     b. *Implementing GUI for Java application in NetBeans*

MODULE 2

Java for mobile devices (3 hours)   **September 9th: 1pm - 3:15 pm**

     a. *The use of Android Studio*
     b. *Implementing simple application for Android Devices*

III) Who Should Attend?

Depending of a content of a given part – students, who want to improve their knowledge of Java Programming, be familiar with different IDEs, or to try to do their first steps in programming graphical application for computers or mobile devices.

Instructor's Biography

Tomasz M. Orzechowski received his first MSc in Biology from Jagiellonian University in 1997, MSc in Computer Science in 1999 and then PhD in Telecommunications in 2010 from the AGH University of Science and Technology.

He is currently a Senior Lecturer at the AGH-UST. His research interests include: distributed programming, profiling and information retrieval, recommender systems as well as quality of education, and inter- cultural educational problems.

He is the author of numerous publications, as well as chapters in books. He also received the AGH Rector's Awards independently for scientific achievements and education – two in 2010, one per year in 2012, 2015 and 2016.

He was nominated and got in 2015 the Medal of the National Education Commission for his outstanding achievement in development of education in Poland.

He has signed and is responsible for over 100 Erasmus+ Bilateral Agreements between AGH-UST and different universities from Norway, Sweden, Germany, Lithuania, Estonia, Czech Republic, Slovak Republic, France, Spain, Portugal, Austria, Italy, Bulgaria, Romania, Hungary, Cyprus, Greece and Turkey as well as arranged educational and scientific cooperation in the framework of Norway Grants. He has also prepared proposals of numerous research and educational grants as their coordinator under: EU Tempus, and under bilateral agreement between Taiwan National Science Agency and the Polish National Centre for Research and Development.

He has been a member of the IEEE Communications and Computer Societies for over than 15 years and he is also a member of ACM, AACE, APA and APS. He is the member of several conference committees, where he is often a reviewer.

He is also AGH Representative in the Northern Dimension Institute.