| Mathematical Models of Emotional Robots | | | |
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| Unit Title | Mathematical Models of Emotional Robots | | |
| Level of Study | Level I –Bachelor's degree | | |
| Credit Value | 1 | ECTS Value | 1 |
| Home Department | Information security and communication systems | | |
| Home Faculty | Mathematics and Mechanics | | |
| Unit Co-ordinator | | | |
| Key Words | robot, artificial intelligence, mathematical model, psychology, memory | | |
| Brief Summary | The course presents mathematical theory of robots - psychological human analogues - which are able to forget older information (past experience). We consider the questions of mathematical formalization of emotions, education, temperament, forgetting older education, formalization of emotional behaviour of robot groups, including formalization depending on the robot's memory. Also the course offers mathematical models of data accumulation by a robot and an algorithms of selection between emotion and logic in a decision making process. | | |
| Indicative Content | Students will study: modern emotional robots; mathematical models of the simplest emotional robots; mathematical models of harmonic emotions of robots; mathematical models of psychological characteristics of robots; mathematical models of effective formation of public consciousness with the help of mass media. | | |

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