# USIU-AFRICA LOGO

# United States International University

Summer Semester 2016

**MIS6220 RESEARCH METHODS**

**Class activity #01**

**Task**

1. **Open the link** <http://www.ifip.org>
2. Fill in the following table from the details on the website

|  |  |  |
| --- | --- | --- |
| **IFIP Technical Committee #** | Name of Technical Committee | No working groups |
| **IFIP Technical Committee 1** | Foundations of Computer Science | 8 |
| **IFIP Technical Committee 2** | Software: Theory and Practice | 16 |
| **IFIP Technical Committee 3** | Education | 4 |
| **IFIP Technical Committee 4** |  |  |
| **IFIP Technical Committee 5** | Information Technology Applications | 10 |
| **IFIP Technical Committee 6** | Communication Systems | 9 |
| **IFIP Technical Committee 7** | System Modeling and Optimization | 7 |
| **IFIP Technical Committee 8** | Information Systems | 9 |
| **IFIP Technical Committee 9** | ICT and Society | 11 |
| **IFIP Technical Committee 10** | Computer Systems Technology | 4 |
| **IFIP Technical Committee 11** | Security and Privacy Protection in Information Processing Systems | 14 |
| **IFIP Technical Committee 12** | Artificial Intelligence | 9 |
| **IFIP Technical Committee 13** | Human-Computer Interaction | 10 |
| **IFIP Technical Committee 14** | Entertainment Computing | 9 |

1. **Write down the IFIP Technical Committee number in which your research interest might fall**

### Machine Learning and Data Mining - IFIP Technical Committee 12

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1. **Write down your proposed research topic**

**Machine translation**

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**Note: Steps in formulation of a research problem:**   
Working through these steps will reasonably give you a level of knowledge in the broad area and subject area within which the study is to be undertaken. Without such knowledge it is difficult to clearly and adequately ‘dissect’ a subject area.

Step 1 Identify a broad field or subject area of *interest* to you.  
Step 2 *Dissect* the broad area into sub areas.  
Step 3 *Select* what is of most interest to you.  
Step 4 Raise research questions.  
Step 5 Formulate objectives.  
Step 6 Assess your objectives.  
Step 7 Double check.

1. **Read a at least 5 journal articles related to your research problem and refine your research topic**
2. Zhongzhi Shi: Principle of Machine Learning, International Academic Publishers,1992
3. Learning from imbalanced data: open challenges and future directions (http://link.springer.com/article/10.1007/s13748-016-0094-0)
4. Translation Engines: Techniques for Machine Translation (http://link.springer.com/book/10.1007/978-1-4471-0587-9)
5. A Technical Word- and Term-Translation Aid Using Noisy Parallel Corpora across Language Groups (http://link.springer.com/article/10.1023/A%3A1007974605290)
6. Mining Parallel Resources for Machine Translation from Comparable Corpora (http://link.springer.com/chapter/10.1007/978-3-319-18111-0\_40)

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