**BUILDING MATERIALS ENGINEERING ASK WUT**

 **Presentation topics "Material issues of building structures"**

**Academic year: 2013/2014**

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| Lp. | Presentation Topics |  Team members | Email | Presentation date | Evaluation  |
| 1. | Sustainable development in building industry – challenge for architects and designer |  |  |  |  |
| 2. | Recycling aggregate for concrete technology; relation: composition-microstructure-properties-durability  |  |  |  |  |
| 3.  | Fiber reinforced polymers as a material for building structures; relation: composition-microstructure-properties-durability |  |  |  |  |
| 4. | New steels and metal alloys for building structures; relation: composition-microstructure-properties-durability |  |  |  |  |
| 5. | Non-ferrous reinforcement for concrete;  |  |  |  |  |
| 6. | Litracon - Light Transmitting Concrete; properties and prospect |  |  |  |  |
| 7. | Textile Concrete – New composite for shell Concrete structures; relation: composition-microstructure-properties-durability | Julia Morawska | juliaklementyna@gmail.com | 28.05.2014 |  |
| 8. | High performance Concrete; relation: composition-microstructure-properties-durability  |  |  |  |  |
| 9. | Self-repairing Concrete; concepts and prospect |  |  |  |  |
| 10.  | „Smart structures/materials”; concepts and prospect |  |  |  |  |
| 11. | Reflexive material technology; concepts and prospect |  |  |  |  |
| 12. | Lunar Concrete; concepts and prospect |  |  |  |  |
| 13.  | Energy saving material solution; exergy as a new concept |  |  |  |  |
| 14 | Modification methods of concrete surface layer as an example of surface engineering |  |  |  |  |
| 15 | Comparative analysis of electric al properties of building materials |  |  |  |  |
| 16 | Comparative analysis of electric al properties of building materials |  |  |  |  |
| 17 | Microstructure vs acoustic properties of buliding materials |  |  |  |  |
|  | Architectural concrete as an example of surface engineering |  |  |  |  |
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