



Hungarian
Space Office



→ 7th ADVANCED TRAINING COURSE ON LAND REMOTE SENSING

4–9 September 2017 | Szent István University | Gödöllő, Hungary

Course Intro

Zoltan Bartalis

Data Applications Division
Science, Applications and Climate Department
ESA – European Space Agency
Frascati, Italy



Why ESA Advanced Training Courses?



Action of ESA's Earth Observation Envelope Programme (EOEP)

Objectives:

- Training the next generation of EO scientists
- Explaining theoretical principles, processing algorithms, data products and their use in applications
- Introducing tools and methods for the exploitation of satellite EO data, in particular from the Sentinels
- Stimulating and supporting the exploitation of ESA and non-ESA EO data for land remote sensing science and applications
- Networking among young scientists.



eo science for society



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Previous Editions



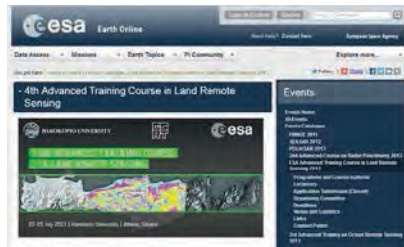
Lisbon 2007



Prague 2009



Krakow 2011



Athens 2013



Valencia 2014



Bucharest 2015

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Behind The Course



Organising Committee

- European Space Agency (ESA)
 - Zoltan Bartalis
 - Yves-Louis Desnos
 - Andy Zmuda
 - Irene Renis
 - Magdalena Fitrzyk
- Szent István University (SZIU)
 - Zoltán Vekerdy
 - Attila Zsarnovszky
- Hungarian Space Office (HSO)
 - Zoltán Zboray



Field Trip Supporters

- Institute of Water and Environmental Management, University of Debrecen, Hungary
- National Agricultural Research and Innovation Centre, Hungary



International team of top-notch lecturers

- Dr **Ahmad Albitar**, *CESBIO, France*
- Prof **Lorenzo Bruzzone**, *University of Trento, Italy*
- Prof **Costas Cartalis**, *University of Athens, Greece*
- Prof **Wouter Dorigo**, *Vienna University of Technology, Austria*
- Dr **Grégory Duveiller**, *Joint Research Centre, Italy*
- Prof **Laurent Ferro-Famil**, *University of Rennes 1, France*
- Dr **Michael Foumelis**, *BGRM, France*
- Prof **Andy Hooper**, *Leeds University, UK*
- Dr **Sebastian van der Linden**, *Humboldt-University Berlin, Germany*
- Dr **Alessandro Marin**, *Solenis c/o ESA ESRIN, Italy*
- Prof **José Moreno**, *Univeristy of Valencia, Spain*
- Prof **Kostas Papathanassiou**, *DLR, Germany*
- Prof **Eric Pottier**, *University of Rennes 1, France*
- Dr **Fabrizio Ramoino**, *Serco c/o ESA ESRIN, Italy*
- Dr **Ana Ruescas**, *Brockmann Consult GmbH, Germany*
- Prof **Bob Su**, *University of Twente, Netherlands*
- Prof **János Tamás**, *University of Debrecen, Hungary*
- Dr **Angelica Tarpanelli**, *CNR, Italy*
- Prof **Zoltán Vekerdy**, *Szent István University, Hungary*

SZIU students helping with the practicals

- János Grósz
- Márton Tolnai
- Ádám Csorba
- Sándor Takács

Course Website



<http://seom.esa.int>



<http://earth.esa.int> →
PI Community → Training



<http://eoscience.esa.int/landtraining2017>



→ 7th ADVANCED TRAINING COURSE ON LAND REMOTE SENSING

4–9 September 2017 | Szent István University | Gödöllő, Hungary



| | MON | TUE | WED | THU | FRI | SAT |
|-----------------|--|--|-----------|-----------|-----------|-----------|
| | Workday 1 | Workday 2 | Workday 3 | Workday 4 | Workday 5 | Workday 6 |
| 08:00 - 08:30 | | 0001 Introduction to BIM and BIMB 10% attendance | | | | |
| 08:30 - 09:00 | Registration | | | | | |
| 09:00 - 09:30 | 0002 BIM in the Construction Industry 10% attendance | | | | | |
| 09:30 - 10:00 | 0003 BIM in the Construction Industry 10% attendance | | | | | |
| 10:00 - 10:30 | 0004 BIM in the Construction Industry 10% attendance | | | | | |
| 10:30 - 11:00 | 0005 BIM in the Construction Industry 10% attendance | | | | | |
| 11:00 - 11:30 | 0006 BIM in the Construction Industry 10% attendance | | | | | |
| 11:30 - 12:00 | 0007 BIM in the Construction Industry 10% attendance | | | | | |
| 12:00 - 12:30 | 0008 BIM in the Construction Industry 10% attendance | | | | | |
| 12:30 - 13:00 | 0009 BIM in the Construction Industry 10% attendance | | | | | |
| 13:00 - 13:30 | 0010 BIM in the Construction Industry 10% attendance | | | | | |
| 13:30 - 14:00 | 0011 BIM in the Construction Industry 10% attendance | | | | | |
| 14:00 - 14:30 | 0012 BIM in the Construction Industry 10% attendance | | | | | |
| 14:30 - 15:00 | 0013 BIM in the Construction Industry 10% attendance | | | | | |
| 15:00 - 15:30 | 0014 BIM in the Construction Industry 10% attendance | | | | | |
| 15:30 - 16:00 | 0015 BIM in the Construction Industry 10% attendance | | | | | |
| 16:00 - 16:30 | 0016 BIM in the Construction Industry 10% attendance | | | | | |
| 16:30 - 17:00 | 0017 BIM in the Construction Industry 10% attendance | | | | | |
| 17:00 - 17:30 | 0018 BIM in the Construction Industry 10% attendance | | | | | |
| 17:30 - 18:00 | 0019 BIM in the Construction Industry 10% attendance | | | | | |
| 18:00 - 18:30 | 0020 BIM in the Construction Industry 10% attendance | | | | | |
| 18:30 - 19:00 | 0021 BIM in the Construction Industry 10% attendance | | | | | |
| 19:00 - 19:30 | 0022 BIM in the Construction Industry 10% attendance | | | | | |
| 19:30 - 20:00 | 0023 BIM in the Construction Industry 10% attendance | | | | | |
| 20:00 - 20:30 | 0024 BIM in the Construction Industry 10% attendance | | | | | |
| 20:30 - 21:00 | 0025 BIM in the Construction Industry 10% attendance | | | | | |
| 21:00 - 21:30 | 0026 BIM in the Construction Industry 10% attendance | | | | | |
| 21:30 - 22:00 | 0027 BIM in the Construction Industry 10% attendance | | | | | |
| 22:00 - 22:30 | 0028 BIM in the Construction Industry 10% attendance | | | | | |
| 22:30 - 23:00 | 0029 BIM in the Construction Industry 10% attendance | | | | | |
| 23:00 - 23:30 | 0030 BIM in the Construction Industry 10% attendance | | | | | |
| 23:30 - 24:00 | 0031 BIM in the Construction Industry 10% attendance | | | | | |
| 24:00 - 24:30 | 0032 BIM in the Construction Industry 10% attendance | | | | | |
| 24:30 - 25:00 | 0033 BIM in the Construction Industry 10% attendance | | | | | |
| 25:00 - 25:30 | 0034 BIM in the Construction Industry 10% attendance | | | | | |
| 25:30 - 26:00 | 0035 BIM in the Construction Industry 10% attendance | | | | | |
| 26:00 - 26:30 | 0036 BIM in the Construction Industry 10% attendance | | | | | |
| 26:30 - 27:00 | 0037 BIM in the Construction Industry 10% attendance | | | | | |
| 27:00 - 27:30 | 0038 BIM in the Construction Industry 10% attendance | | | | | |
| 27:30 - 28:00 | 0039 BIM in the Construction Industry 10% attendance | | | | | |
| 28:00 - 28:30 | 0040 BIM in the Construction Industry 10% attendance | | | | | |
| 28:30 - 29:00 | 0041 BIM in the Construction Industry 10% attendance | | | | | |
| 29:00 - 29:30 | 0042 BIM in the Construction Industry 10% attendance | | | | | |
| 29:30 - 30:00 | 0043 BIM in the Construction Industry 10% attendance | | | | | |
| 30:00 - 30:30 | 0044 BIM in the Construction Industry 10% attendance | | | | | |
| 30:30 - 31:00 | 0045 BIM in the Construction Industry 10% attendance | | | | | |
| 31:00 - 31:30 | 0046 BIM in the Construction Industry 10% attendance | | | | | |
| 31:30 - 32:00 | 0047 BIM in the Construction Industry 10% attendance | | | | | |
| 32:00 - 32:30 | 0048 BIM in the Construction Industry 10% attendance | | | | | |
| 32:30 - 33:00 | 0049 BIM in the Construction Industry 10% attendance | | | | | |
| 33:00 - 33:30 | 0050 BIM in the Construction Industry 10% attendance | | | | | |
| 33:30 - 34:00 | 0051 BIM in the Construction Industry 10% attendance | | | | | |
| 34:00 - 34:30 | 0052 BIM in the Construction Industry 10% attendance | | | | | |
| 34:30 - 35:00 | 0053 BIM in the Construction Industry 10% attendance | | | | | |
| 35:00 - 35:30 | 0054 BIM in the Construction Industry 10% attendance | | | | | |
| 35:30 - 36:00 | 0055 BIM in the Construction Industry 10% attendance | | | | | |
| 36:00 - 36:30 | 0056 BIM in the Construction Industry 10% attendance | | | | | |
| 36:30 - 37:00 | 0057 BIM in the Construction Industry 10% attendance | | | | | |
| 37:00 - 37:30 | 0058 BIM in the Construction Industry 10% attendance | | | | | |
| 37:30 - 38:00 | 0059 BIM in the Construction Industry 10% attendance | | | | | |
| 38:00 - 38:30 | 0060 BIM in the Construction Industry 10% attendance | | | | | |
| 38:30 - 39:00 | 0061 BIM in the Construction Industry 10% attendance | | | | | |
| 39:00 - 39:30 | 0062 BIM in the Construction Industry 10% attendance | | | | | |
| 39:30 - 40:00 | 0063 BIM in the Construction Industry 10% attendance | | | | | |
| 40:00 - 40:30 | 0064 BIM in the Construction Industry 10% attendance | | | | | |
| 40:30 - 41:00 | 0065 BIM in the Construction Industry 10% attendance | | | | | |
| 41:00 - 41:30 | 0066 BIM in the Construction Industry 10% attendance | | | | | |
| 41:30 - 42:00 | 0067 BIM in the Construction Industry 10% attendance | | | | | |
| 42:00 - 42:30 | 0068 BIM in the Construction Industry 10% attendance | | | | | |
| 42:30 - 43:00 | 0069 BIM in the Construction Industry 10% attendance | | | | | |
| 43:00 - 43:30 | 0070 BIM in the Construction Industry 10% attendance | | | | | |
| 43:30 - 44:00 | 0071 BIM in the Construction Industry 10% attendance | | | | | |
| 44:00 - 44:30 | 0072 BIM in the Construction Industry 10% attendance | | | | | |
| 44:30 - 45:00 | 0073 BIM in the Construction Industry 10% attendance | | | | | |
| 45:00 - 45:30 | 0074 BIM in the Construction Industry 10% attendance | | | | | |
| 45:30 - 46:00 | 0075 BIM in the Construction Industry 10% attendance | | | | | |
| 46:00 - 46:30 | 0076 BIM in the Construction Industry 10% attendance | | | | | |
| 46:30 - 47:00 | 0077 BIM in the Construction Industry 10% attendance | | | | | |
| 47:00 - 47:30 | 0078 BIM in the Construction Industry 10% attendance | | | | | |
| 47:30 - 48:00 | 0079 BIM in the Construction Industry 10% attendance | | | | | |
| 48:00 - 48:30 | 0080 BIM in the Construction Industry 10% attendance | | | | | |
| 48:30 - 49:00 | 0081 BIM in the Construction Industry 10% attendance | | | | | |
| 49:00 - 49:30 | 0082 BIM in the Construction Industry 10% attendance | | | | | |
| 49:30 - 50:00 | 0083 BIM in the Construction Industry 10% attendance | | | | | |
| 50:00 - 50:30 | 0084 BIM in the Construction Industry 10% attendance | | | | | |
| 50:30 - 51:00 | 0085 BIM in the Construction Industry 10% attendance | | | | | |
| 51:00 - 51:30 | 0086 BIM in the Construction Industry 10% attendance | | | | | |
| 51:30 - 52:00 | 0087 BIM in the Construction Industry 10% attendance | | | | | |
| 52:00 - 52:30 | 0088 BIM in the Construction Industry 10% attendance | | | | | |
| 52:30 - 53:00 | 0089 BIM in the Construction Industry 10% attendance | | | | | |
| 53:00 - 53:30 | 0090 BIM in the Construction Industry 10% attendance | | | | | |
| 53:30 - 54:00 | 0091 BIM in the Construction Industry 10% attendance | | | | | |
| 54:00 - 54:30 | 0092 BIM in the Construction Industry 10% attendance | | | | | |
| 54:30 - 55:00 | 0093 BIM in the Construction Industry 10% attendance | | | | | |
| 55:00 - 55:30 | 0094 BIM in the Construction Industry 10% attendance | | | | | |
| 55:30 - 56:00 | 0095 BIM in the Construction Industry 10% attendance | | | | | |
| 56:00 - 56:30 | 0096 BIM in the Construction Industry 10% attendance | | | | | |
| 56:30 - 57:00 | 0097 BIM in the Construction Industry 10% attendance | | | | | |
| 57:00 - 57:30 | 0098 BIM in the Construction Industry 10% attendance | | | | | |
| 57:30 - 58:00 | 0099 BIM in the Construction Industry 10% attendance | | | | | |
| 58:00 - 58:30 | 0100 BIM in the Construction Industry 10% attendance | | | | | |
| 58:30 - 59:00 | 0101 BIM in the Construction Industry 10% attendance | | | | | |
| 59:00 - 59:30 | 0102 BIM in the Construction Industry 10% attendance | | | | | |
| 59:30 - 60:00 | 0103 BIM in the Construction Industry 10% attendance | | | | | |
| 60:00 - 60:30 | 0104 BIM in the Construction Industry 10% attendance | | | | | |
| 60:30 - 61:00 | 0105 BIM in the Construction Industry 10% attendance | | | | | |
| 61:00 - 61:30 | 0106 BIM in the Construction Industry 10% attendance | | | | | |
| 61:30 - 62:00 | 0107 BIM in the Construction Industry 10% attendance | | | | | |
| 62:00 - 62:30 | 0108 BIM in the Construction Industry 10% attendance | | | | | |
| 62:30 - 63:00 | 0109 BIM in the Construction Industry 10% attendance | | | | | |
| 63:00 - 63:30 | 0110 BIM in the Construction Industry 10% attendance | | | | | |
| 63:30 - 64:00 | 0111 BIM in the Construction Industry 10% attendance | | | | | |
| 64:00 - 64:30 | 0112 BIM in the Construction Industry 10% attendance | | | | | |
| 64:30 - 65:00 | 0113 BIM in the Construction Industry 10% attendance | | | | | |
| 65:00 - 65:30 | 0114 BIM in the Construction Industry 10% attendance | | | | | |
| 65:30 - 66:00 | 0115 BIM in the Construction Industry 10% attendance | | | | | |
| 66:00 - 66:30 | 0116 BIM in the Construction Industry 10% attendance | | | | | |
| 66:30 - 67:00 | 0117 BIM in the Construction Industry 10% attendance | | | | | |
| 67:00 - 67:30 | 0118 BIM in the Construction Industry 10% attendance | | | | | |
| 67:30 - 68:00 | 0119 BIM in the Construction Industry 10% attendance | | | | | |
| 68:00 - 68:30 | 0120 BIM in the Construction Industry 10% attendance | | | | | |
| 68:30 - 69:00 | 0121 BIM in the Construction Industry 10% attendance | | | | | |
| 69:00 - 69:30 | 0122 BIM in the Construction Industry 10% attendance | | | | | |
| 69:30 - 70:00 | 0123 BIM in the Construction Industry 10% attendance | | | | | |
| 70:00 - 70:30 | 0124 BIM in the Construction Industry 10% attendance | | | | | |
| 70:30 - 71:00 | 0125 BIM in the Construction Industry 10% attendance | | | | | |
| 71:00 - 71:30 | 0126 BIM in the Construction Industry 10% attendance | | | | | |
| 71:30 - 72:00 | 0127 BIM in the Construction Industry 10% attendance | | | | | |
| 72:00 - 72:30 | 0128 BIM in the Construction Industry 10% attendance | | | | | |
| 72:30 - 73:00 | 0129 BIM in the Construction Industry 10% attendance | | | | | |
| 73:00 - 73:30 | 0130 BIM in the Construction Industry 10% attendance | | | | | |
| 73:30 - 74:00 | 0131 BIM in the Construction Industry 10% attendance | | | | | |
| 74:00 - 74:30 | 0132 BIM in the Construction Industry 10% attendance | | | | | |
| 74:30 - 75:00 | 0133 BIM in the Construction Industry 10% attendance | | | | | |
| 75:00 - 75:30 | 0134 BIM in the Construction Industry 10% attendance | | | | | |
| 75:30 - 76:00 | 0135 BIM in the Construction Industry 10% attendance | | | | | |
| 76:00 - 76:30 | 0136 BIM in the Construction Industry 10% attendance | | | | | |
| 76:30 - 77:00 | 0137 BIM in the Construction Industry 10% attendance | | | | | |
| 77:00 - 77:30 | 0138 BIM in the Construction Industry 10% attendance | | | | | |
| 77:30 - 78:00 | 0139 BIM in the Construction Industry 10% attendance | | | | | |
| 78:00 - 78:30 | 0140 BIM in the Construction Industry 10% attendance | | | | | |
| 78:30 - 79:00 | 0141 BIM in the Construction Industry 10% attendance | | | | | |
| 79:00 - 79:30 | 0142 BIM in the Construction Industry 10% attendance | | | | | |
| 79:30 - 80:00 | 0143 BIM in the Construction Industry 10% attendance | | | | | |
| 80:00 - 80:30 | 0144 BIM in the Construction Industry 10% attendance | | | | | |
| 80:30 - 81:00 | 0145 BIM in the Construction Industry 10% attendance | | | | | |
| 81:00 - 81:30 | 0146 BIM in the Construction Industry 10% attendance | | | | | |
| 81:30 - 82:00 | 0147 BIM in the Construction Industry 10% attendance | | | | | |
| 82:00 - 82:30 | 0148 BIM in the Construction Industry 10% attendance | | | | | |
| 82:30 - 83:00 | 0149 BIM in the Construction Industry 10% attendance | | | | | |
| 83:00 - 83:30 | 0150 BIM in the Construction Industry 10% attendance | | | | | |
| 83:30 - 84:00 | 0151 BIM in the Construction Industry 10% attendance | | | | | |
| 84:00 - 84:30 | 0152 BIM in the Construction Industry 10% attendance | | | | | |
| 84:30 - 85:00 | 0153 BIM in the Construction Industry 10% attendance | | | | | |
| 85:00 - 85:30 | 0154 BIM in the Construction Industry 10% attendance | | | | | |
| 85:30 - 86:00 | 0155 BIM in the Construction Industry 10% attendance | | | | | |
| 86:00 - 86:30 | 0156 BIM in the Construction Industry 10% attendance | | | | | |
| 86:30 - 87:00 | 0157 BIM in the Construction Industry 10% attendance | | | | | |
| 87:00 - 87:30 | 0158 BIM in the Construction Industry 10% attendance | | | | | |
| 87:30 - 88:00 | 0159 BIM in the Construction Industry 10% attendance | | | | | |
| 88:00 - 88:30 | 0160 BIM in the Construction Industry 10% attendance | | | | | |
| 88:30 - 89:00 | 0161 BIM in the Construction Industry 10% attendance | | | | | |
| 89:00 - 89:30 | 0162 BIM in the Construction Industry 10% attendance | | | | | |
| 89:30 - 90:00 | 0163 BIM in the Construction Industry 10% attendance | | | | | |
| 90:00 - 90:30 | 0164 BIM in the Construction Industry 10% attendance | | | | | |
| 90:30 - 91:00 | 0165 BIM in the Construction Industry 10% attendance | | | | | |
| 91:00 - 91:30 | 0166 BIM in the Construction Industry 10% attendance | | | | | |
| 91:30 - 92:00 | 0167 BIM in the Construction Industry 10% attendance | | | | | |
| 92:00 - 92:30 | 0168 BIM in the Construction Industry 10% attendance | | | | | |
| 92:30 - 93:00 | 0169 BIM in the Construction Industry 10% attendance | | | | | |
| 93:00 - 93:30 | 0170 BIM in the Construction Industry 10% attendance | | | | | |
| 93:30 - 94:00 | 0171 BIM in the Construction Industry 10% attendance | | | | | |
| 94:00 - 94:30 | 0172 BIM in the Construction Industry 10% attendance | | | | | |
| 94:30 - 95:00 | 0173 BIM in the Construction Industry 10% attendance | | | | | |
| 95:00 - 95:30 | 0174 BIM in the Construction Industry 10% attendance | | | | | |
| 95:30 - 96:00 | 0175 BIM in the Construction Industry 10% attendance | | | | | |
| 96:00 - 96:30 | 0176 BIM in the Construction Industry 10% attendance | | | | | |
| 96:30 - 97:00 | 0177 BIM in the Construction Industry 10% attendance | | | | | |
| 97:00 - 97:30 | 0178 BIM in the Construction Industry 10% attendance | | | | | |
| 97:30 - 98:00 | 0179 BIM in the Construction Industry 10% attendance | | | | | |
| 98:00 - 98:30 | 0180 BIM in the Construction Industry 10% attendance | | | | | |
| 98:30 - 99:00 | 0181 BIM in the Construction Industry 10% attendance | | | | | |
| 99:00 - 99:30 | 0182 BIM in the Construction Industry 10% attendance | | | | | |
| 99:30 - 100:00 | 0183 BIM in the Construction Industry 10% attendance | | | | | |
| 100:00 - 100:30 | 0184 BIM in the Construction Industry 10% attendance | | | | | |
| 100:30 - 101:00 | 0185 BIM in the Construction Industry 10% attendance | | | | | |
| 101:00 - 101:30 | 0186 BIM in the Construction Industry 10% attendance | | | | | |
| 101:30 - 102:00 | 0187 BIM in the Construction Industry 10% attendance | | | | | |
| 102:00 - 102:30 | 0188 BIM in the Construction Industry 10% attendance | | | | | |
| 102:30 - 103:00 | 0189 BIM in the Construction Industry 10% attendance | | | | | |
| 103:00 - 103:30 | 0190 BIM in the Construction Industry 10% attendance | | | | | |
| 103:30 - 104:00 | 0191 BIM in the Construction Industry 10% attendance | | | | | |
| 104:00 - 104:30 | 0192 BIM in the Construction Industry 10% attendance | | | | | |
| 104:30 - 105:00 | 0193 BIM in the Construction Industry 10% attendance | | | | | |
| 105:00 - 105:30 | 0194 BIM in the Construction Industry 10% attendance | | | | | |
| 105:30 - 106:00 | 0195 BIM in the Construction Industry 10% attendance | | | | | |
| 106:00 - 106:30 | 0196 BIM in the Construction Industry 10% attendance | | | | | |
| 106:30 - 107:00 | 0197 BIM in the Construction Industry 10% attendance | | | | | |
| 107:00 - 107:30 | 0198 BIM in the Construction Industry 10% attendance | | | | | |
| 107:30 - 108:00 | 0199 BIM in the Construction Industry 10% attendance | | | | | |
| 108:00 - 108:30 | 0200 BIM in the Construction Industry 10% attendance | | | | | |
| 108:30 - 109:00 | 0201 BIM in the Construction Industry 10% attendance | | | | | |
| 109:00 - 109:30 | 0202 BIM in the Construction Industry 10% attendance | | | | | |
| 109:30 - 110:00 | 0203 BIM in the Construction Industry 10% attendance | | | | | |
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4-9 September 2017 | Szent István University | Gödöllő, Hungary

Course Overview



SAR, InSAR, Sentinel-1

Polarimetry

No parallel sessions for:

- Theoretical background
- Basic tools for Sentinel-1/2/3 in general

Optical, Sentinel-2

Optical, Sentinel-2

| | MON | TUE | WED | THU | FRI | SAT |
|---------------|--|--|-------------|-------------|-------------|-------------|
| | September 4 | September 5 | September 6 | September 7 | September 8 | September 9 |
| 08:00 - 08:30 | Registration | Introduction to SAR and InSAR (Dr. P. Berthoin) | | | | |
| 08:30 - 09:00 | | Break | | | | |
| 09:00 - 09:30 | Introduction to SAR and InSAR (Dr. P. Berthoin) | | | | | |
| 09:30 - 10:00 | Introduction to SAR and InSAR (Dr. P. Berthoin) | | | | | |
| 10:00 - 10:30 | Introduction to SAR and InSAR (Dr. P. Berthoin) | | | | | |
| 10:30 - 11:00 | Introduction to SAR and InSAR (Dr. P. Berthoin) | | | | | |
| 11:00 - 11:30 | Introduction to SAR and InSAR (Dr. P. Berthoin) | | | | | |
| 11:30 - 12:00 | Introduction to SAR and InSAR (Dr. P. Berthoin) | | | | | |
| 12:00 - 12:30 | Introduction to SAR and InSAR (Dr. P. Berthoin) | | | | | |
| 12:30 - 13:00 | Introduction to SAR and InSAR (Dr. P. Berthoin) | | | | | |
| 13:00 - 13:30 | Introduction to SAR and InSAR (Dr. P. Berthoin) | | | | | |
| 13:30 - 14:00 | Introduction to SAR and InSAR (Dr. P. Berthoin) | | | | | |
| 14:00 - 14:30 | Introduction to SAR and InSAR (Dr. P. Berthoin) | | | | | |
| 14:30 - 15:00 | Introduction to SAR and InSAR (Dr. P. Berthoin) | | | | | |
| 15:00 - 15:30 | Introduction to SAR and InSAR (Dr. P. Berthoin) | | | | | |
| 15:30 - 16:00 | Introduction to SAR and InSAR (Dr. P. Berthoin) | | | | | |
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| 22:30 - 23:00 | Introduction to SAR and InSAR (Dr. P. Berthoin) | | | | | |
| 23:00 - 23:30 | Introduction to SAR and InSAR (Dr. P. Berthoin) | | | | | |
| 23:30 - 00:00 | Introduction to SAR and InSAR (Dr. P. Berthoin) | | | | | |

→ 7th ADVANCED TRAINING COURSE ON LAND REMOTE SENSING

4–9 September 2017 | Szent István University | Gödöllő, Hungary



- Multitemporal analysis
- EO processing in the cloud
- Forestry products
- Urban mapping
- Terrain motion
- Urban thermography
- SAR tomography
- Full-day water cycle theme (Friday)

[illegible]

Course Overview



| | MON 4 SEPTEMBER 2017 | TUE 5 SEPTEMBER 2017 | WED 6 SEPTEMBER 2017 | THU 7 SEPTEMBER 2017 | FRI 8 SEPTEMBER 2017 | SAT 9 SEPTEMBER 2017 |
|---------------|-------------------------|---|-------------------------|-------------------------|-------------------------|-------------------------|
| 08:00 - 08:30 | Registration | Introduction to SAR and SARISAR (J. Papathanassiou) | | | | |
| 08:30 - 09:00 | | | | | | |
| 09:00 - 09:30 | Registration | Introduction to SAR and SARISAR (J. Papathanassiou) | | | | |
| 09:30 - 10:00 | Registration | Introduction to SAR and SARISAR (J. Papathanassiou) | | | | |
| 10:00 - 10:30 | Registration | Introduction to SAR and SARISAR (J. Papathanassiou) | | | | |
| 10:30 - 11:00 | Registration | Introduction to SAR and SARISAR (J. Papathanassiou) | | | | |
| 11:00 - 11:30 | Registration | Introduction to SAR and SARISAR (J. Papathanassiou) | | | | |
| 11:30 - 12:00 | Registration | Introduction to SAR and SARISAR (J. Papathanassiou) | | | | |
| 12:00 - 12:30 | Registration | Introduction to SAR and SARISAR (J. Papathanassiou) | | | | |
| 12:30 - 13:00 | Registration | Introduction to SAR and SARISAR (J. Papathanassiou) | | | | |
| 13:00 - 13:30 | Registration | Introduction to SAR and SARISAR (J. Papathanassiou) | | | | |
| 13:30 - 14:00 | Registration | Introduction to SAR and SARISAR (J. Papathanassiou) | | | | |
| 14:00 - 14:30 | Registration | Introduction to SAR and SARISAR (J. Papathanassiou) | | | | |
| 14:30 - 15:00 | Registration | Introduction to SAR and SARISAR (J. Papathanassiou) | | | | |
| 15:00 - 15:30 | Registration | Introduction to SAR and SARISAR (J. Papathanassiou) | | | | |
| 15:30 - 16:00 | Registration | Introduction to SAR and SARISAR (J. Papathanassiou) | | | | |
| 16:00 - 16:30 | Registration | Introduction to SAR and SARISAR (J. Papathanassiou) | | | | |
| 16:30 - 17:00 | Registration | Introduction to SAR and SARISAR (J. Papathanassiou) | | | | |
| 17:00 - 17:30 | Registration | Introduction to SAR and SARISAR (J. Papathanassiou) | | | | |
| 17:30 - 18:00 | Registration | Introduction to SAR and SARISAR (J. Papathanassiou) | | | | |
| 18:00 - 18:30 | Registration | Introduction to SAR and SARISAR (J. Papathanassiou) | | | | |
| 18:30 - 19:00 | Registration | Introduction to SAR and SARISAR (J. Papathanassiou) | | | | |
| 19:00 - 19:30 | Registration | Introduction to SAR and SARISAR (J. Papathanassiou) | | | | |
| 19:30 - 20:00 | Registration | Introduction to SAR and SARISAR (J. Papathanassiou) | | | | |
| 20:00 - 20:30 | Registration | Introduction to SAR and SARISAR (J. Papathanassiou) | | | | |
| 20:30 - 21:00 | Registration | Introduction to SAR and SARISAR (J. Papathanassiou) | | | | |
| 21:00 - 21:30 | Registration | Introduction to SAR and SARISAR (J. Papathanassiou) | | | | |
| 21:30 - 22:00 | Registration | Introduction to SAR and SARISAR (J. Papathanassiou) | | | | |
| 22:00 - 22:30 | Registration | Introduction to SAR and SARISAR (J. Papathanassiou) | | | | |
| 22:30 - 23:00 | Registration | Introduction to SAR and SARISAR (J. Papathanassiou) | | | | |
| 23:00 - 23:30 | Registration | Introduction to SAR and SARISAR (J. Papathanassiou) | | | | |
| 23:30 - 00:00 | Registration | Introduction to SAR and SARISAR (J. Papathanassiou) | | | | |

Field trip and analysis of results

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| |
|---|
| Lectures and Tools Lectures: Principles and Theory Lectures: Applications Practicals Field Trip |
|---|



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Poster session

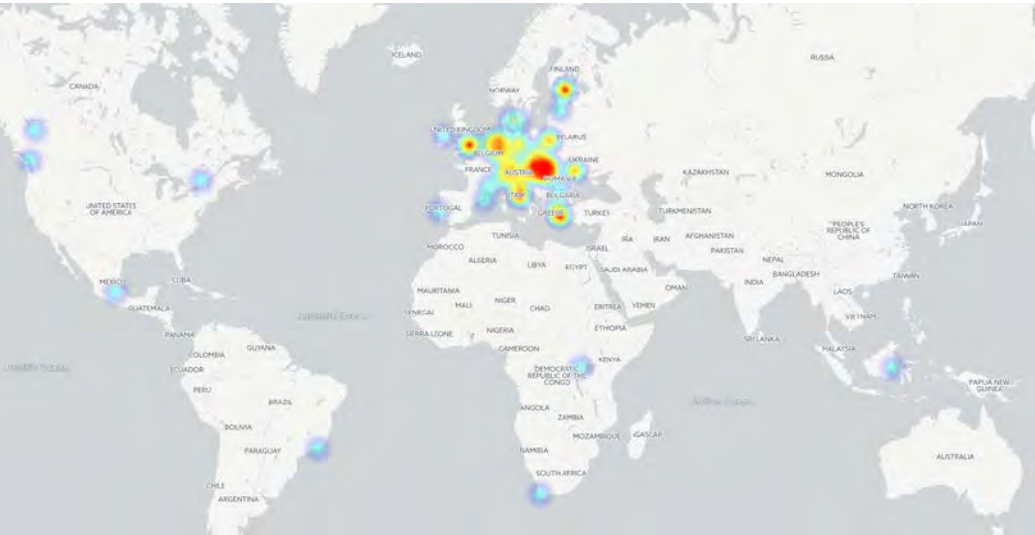
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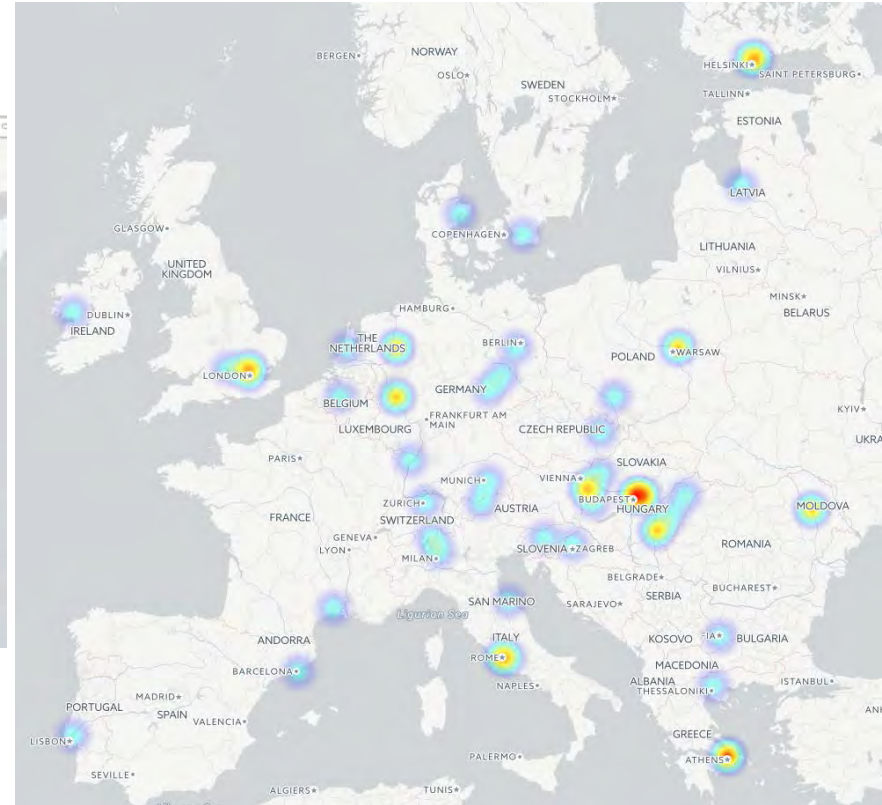
LTC2017: Participant Stats



Location of affiliations of accepted participants



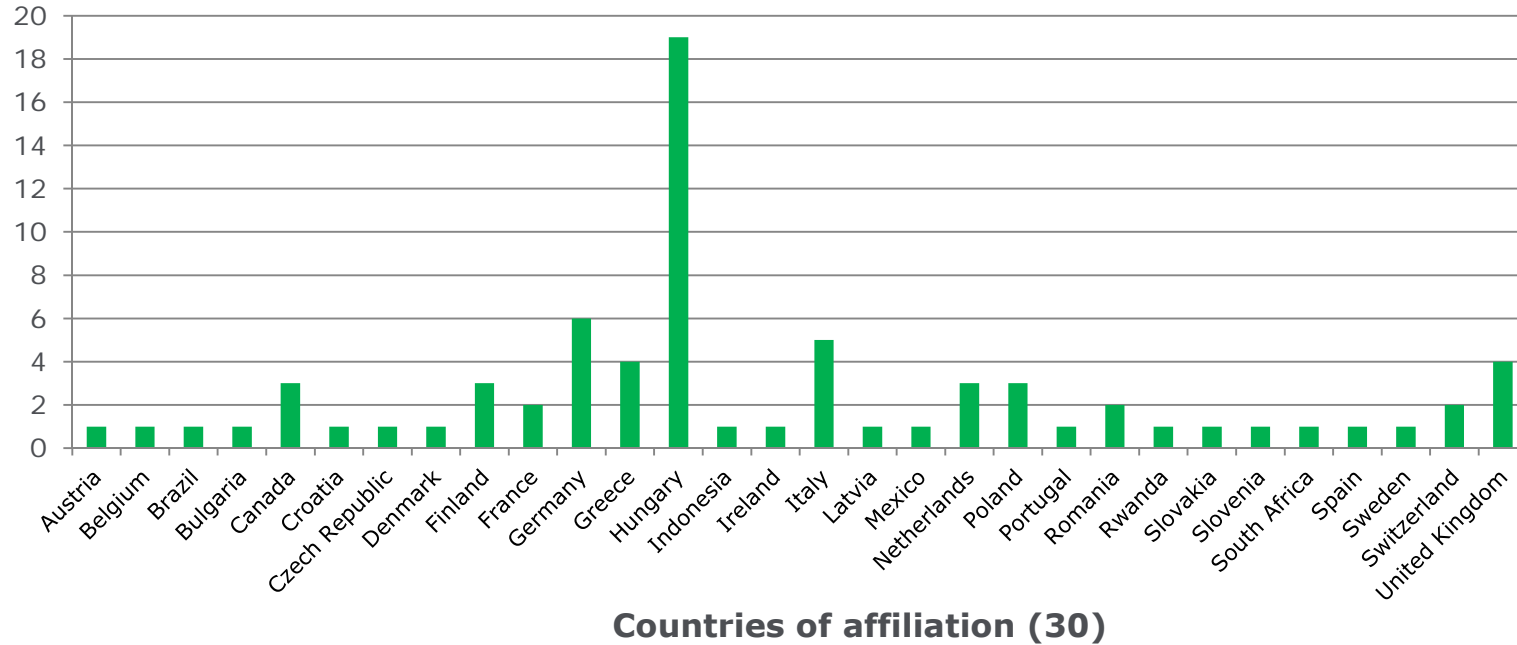
Total applications: 189
Accepted participants: 74



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LTC2017: Participant Stats

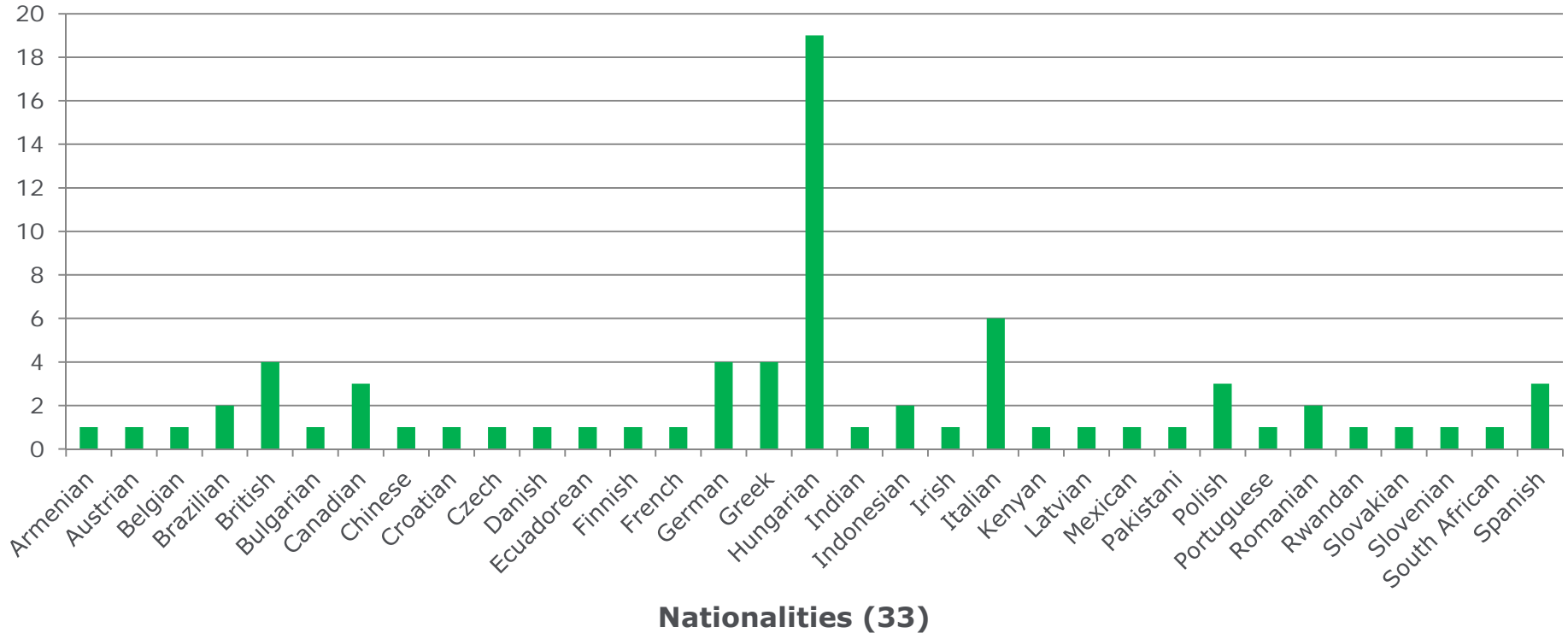


of which: ESA member/cooperating/associated states (21), other European (4), other non-European (5)

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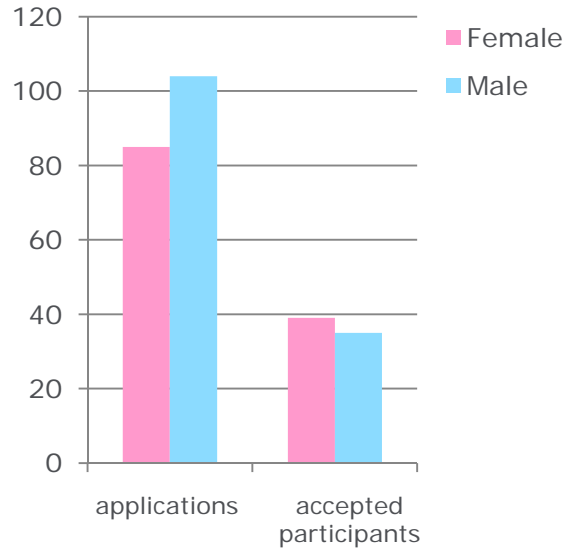
LTC2017: Participant Stats



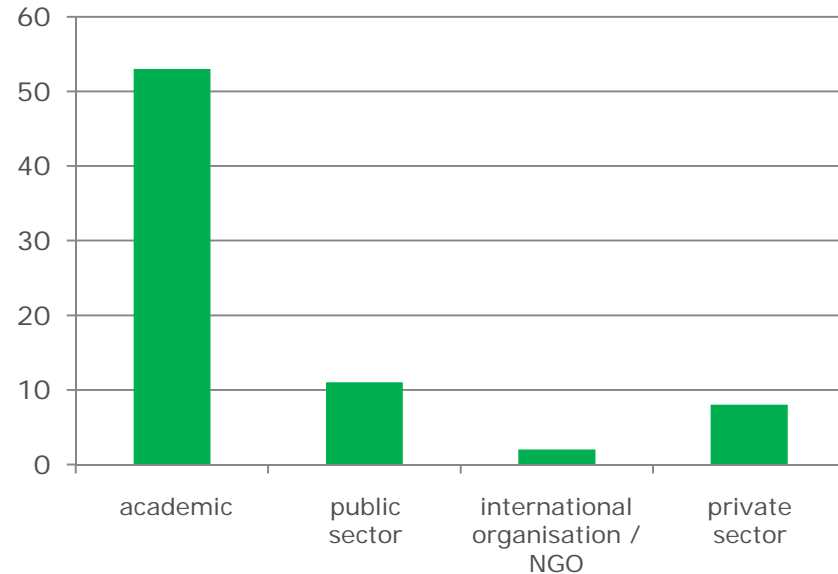
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LTC2017: Participant Stats



Gender



Affiliation type

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Good to Know



Certificate of Attendance

- To get a certificate, attendance is *mandatory* for all lectures and practical classes
- *Not enough* to attend one or two lectures or to pick and choose from the programme
- Attendance lists will be in circulation during the week
- Certificates will be awarded during the closing ceremony on Saturday

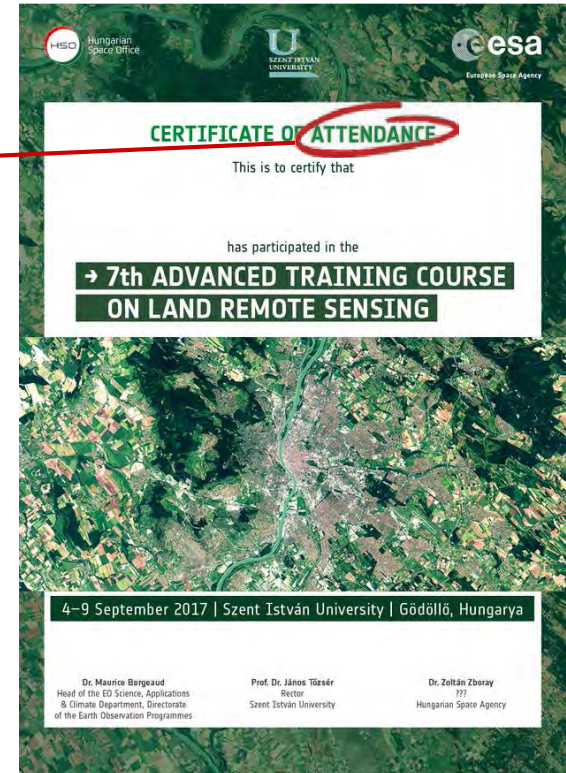
ECTS Credits

- Will be awarded by SZIU on request
- Forms will be circulated during the week

Online Course Evaluation

- To provide feedback to improve for future courses
- 10 minutes to complete
- The questionnaire is anonymous
- Link to website will be provided by email

Course material including videos will be made available on course website by end-September 2017



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Poster Session



- Poster Exhibition open at the ground floor corridors near the Rector's Hall on Wednesday
- Mounting of posters from Wednesday morning, during coffee breaks and lunch
- Please check to find your poster board number on the list in the poster area
- Boards are labelled, please mount on the correct board
- Please take time to view the posters during the session but also make yourself available for discussion about your own poster with colleagues and lecturers
- Posters in PDF form will be shared on the course website by end-September (unless you do not want that)



Corridor of the main poster area

Logistics



If you haven't yet received the small **Welcome Package** please see one of the organisers

Classrooms, training rooms, poster exhibition space, coffee breaks, meals, etc. see:

- Info Note distributed via e-mail and available on course website
- Campus map on back of your badge
- Daily programme in welcome package (light version) and available on course webpage (more detailed)

Information point: available just outside the Rector's Hall during the week.



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Logistics



Badges

- Colour-coded:
 - **Lectures – Blue**
 - **Students – Green**
 - **Guests – Red**
 - **Organisers –Light brown**
- Please wear at all times while on site
 - Helps us to recognise each other
 - Easily recognised by guards and university staff
- Participant list: provided in welcome package

In case of any need please ask the organisers or call the numbers on the back of your badge



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Wifi access and logins to the computers:

- **user_ID** and password was provided in welcome package. Use these to login into the computers in the computer rooms
- Wifi: login to **eduroam** network using **[user_ID]@szie.hu** as user name and the provided password

In case of any need please ask the organisers or call the numbers on the back of your badge.



#ESALTC17



Have a pleasant stay in Gödöllő and a successful Training Course!