



STAFF MOBILITY FOR TEACHING¹ MOBILITY AGREEMENT

Planned period of the teaching activity:

From 25. [day] 07. [month] 2016. [year] till 31. [day] 07. [month] 2016. [year]

Duration (days) – excluding travel days: 7 days.

The teaching staff member

Last name (s)	Lichtneger	First name (s)	Petr
Seniority ²	intermediate	Nationality ³	Czech
Sex [M/F]	M	Academic year	2015/2016
E-mail	Petr.Lichtneger@boku.ac.at		

The Sending Institution/Enterprise⁴

Name	Universität für Bodenkultur Wien (BOKU)		
Erasmus code ⁵ (if applicable)	A WIEN03	Faculty/Department	Center for International Relations
Address	Peter-Jordan Straße 82a, 1190 Wien	Country/ Country code ⁶	Austria, AT
Contact person name and position	Mag. Margarethe Karl-Goodwin, European Exchange Coordinator	Contact person e-mail / phone	erasmus@boku.ac.at +43-1-47654-2602
Type of enterprise: NACE code ⁷ (if applicable)	University	Size of enterprise (if applicable)	<input type="checkbox"/> <250 employees <input checked="" type="checkbox"/> >250 employees

The Receiving Institution

Name	Brno University of Technology, CZ BR (BUT)	Faculty/Department	Faculty of Civil Engineering / Department of water structures
Erasmus code (if applicable)	CZ Brno 01		
Address	Veveri 331/95, 602 00 Brno	Country/ Country code	Czech Republic, CZ
Contact person name and position	Ludmila Zelinkova	Contact person e-mail / phone	zelinkova.l@fce. vutbr.cz

For guidelines, please look at the end notes on page 3.



Section to be completed BEFORE THE MOBILITY

I. PROPOSED MOBILITY PROGRAMME

Main subject field^a: 0732: Building and civil engineering (06.4 - 582)

Level (select the main one):

Short cycle (EQF level 5) ; Bachelor or equivalent first cycle (EQF level 6) ; Master or equivalent second cycle (EQF level 7) ; Doctoral or equivalent third cycle (EQF level 8)

Number of students at the receiving institution benefiting from the teaching programme: app. 10

Number of teaching hours: 8 hrs

Language of instruction: English / Czech

Overall objectives of the mobility:

1. Knowledge transfer and activation, improvement and planning of next cooperations between the receiving and sending institutions.
2. To enhance the interest of participating (PhD) students in this research field.

Added value of the mobility (in the context of the modernisation and internationalisation strategies of the institutions involved):

The receiving institution is going to modernize its present laser-optical measurement equipment. Because the sending institution recently has got new powerful systems, the experience and knowledge transfer should help the receiving institution to meet better decisions considering the effectiveness and international competitiveness. This systems also will be used regarding the future international cooperations, which we attempt at.

Content of the teaching programme:

Two lectures (2x4hrs), each with a hands-on training and demonstration.

The first lecture will deal with the Laser-Doppler Anemometry and the second one with the Particle Image Velocimetry techniques. The practical demonstrations will be carried out on the calibration rig for propeller-type current meters at the receiving institution. Within the lecture lessons the up-to-date laser-optical measurement techniques used in hydraulic engineering will be presented (scope, limits, progress, prospects, ...) and discussed on particular examples. For preparing and testing the experiments more days of work are to be taken into account.

Furthermore, not only the students but also other staff members of The Brno University of Technology will be invited to the lectures.

Expected outcomes and impact (e.g. on the professional development of the teaching staff member and on the competences of students at both



⁵ **Erasmus Code:** A unique identifier that every higher education institution that has been awarded with the Erasmus Charter for Higher Education receives. It is only applicable to higher education institutions located in Programme Countries.

⁶ **Country code:** ISO 3166-2 country codes available at: <https://www.iso.org/obp/ui/#search>.

⁷ The top-level NACE sector codes are available at http://ec.europa.eu/eurostat/ramon/nomenclatures/index.cfm?TargetUrl=LST_NOM_DTL&StrNom=NACE_RV2&StrLanguageCode=EN

⁸ The ISCED-F 2013 search tool (available at http://ec.europa.eu/education/tools/isced-f_en.htm) should be used to find the ISCED 2013 detailed field of education and training.

⁹ Circulating papers with original signatures is not compulsory. Scanned copies of signatures or electronic signatures may be accepted, depending on the national legislation of the country of the sending institution (in the case of mobility with Partner Countries: the national legislation of the Programme Country).



Higher Education
Mobility Agreement form
Participant's name

institutions):

Since the sending as well as the receiving institution teach and research in similar fields the knowledge transfer and planning of ongoing cooperative research projects should be the main benefit of this teaching action. Furthermore, the students and the staff of the host institution will learn the topical problems and last progress done in the specific field of the study.

In particular, Ph.D. students should be encouraged to prepare own international proposals for research topics applying the unique measurement techniques. The outcome of this teaching action should be a road map for the next cooperations between both institutions. The teaching staff, i.e. Mr. Zubik from BUT and Mr. Lichtneger from BOKU, supervise and coordinate further actions.

II. COMMITMENT OF THE THREE PARTIES

By signing⁹ this document, the teaching staff member, the sending institution/enterprise and the receiving institution confirm that they approve the proposed mobility agreement.

The sending higher education institution supports the staff mobility as part of its modernisation and internationalisation strategy and will recognise it as a component in any evaluation or assessment of the teaching staff member.

The teaching staff member will share his/her experience, in particular its impact on his/her professional development and on the sending higher education institution, as a source of inspiration to others.

The teaching staff member and the sending institution commit to the requirements set out in the grant agreement signed between them.

The teaching staff member and the receiving institution will communicate to the sending institution/enterprise any problems or changes regarding the proposed mobility programme or mobility period.

The teaching staff member

Name: Petr Lichtneger

Signature:

Date: 13.06.2016

The sending institution/enterprise

Name of the responsible person: Margarethe Karl-Goodwin

Signature:

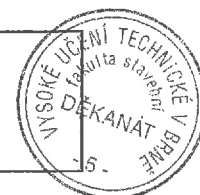
Date:

The receiving institution

Name of the responsible person: Assoc. Prof. Nikol Žižková

Signature:

Date: 16-05-2016



¹ In case the mobility combines teaching and training activities, **this** template should be used and adjusted to fit both activity types.

² **Seniority:** Junior (approx. < 10 years of experience), Intermediate (approx. > 10 and < 20 years of experience) or Senior (approx. > 20 years of experience).

³ **Nationality:** Country to which the person belongs administratively and that issues the ID card and/or passport.

⁴ All references to "**enterprise**" are only applicable to mobility for staff between Programme Countries or within Capacity Building projects.

Pozvánka

na přednášky odborníka na laserovou
anemometrii

Ing. Petr Lichtneger, Ph.D.

University of natural Resources and Life
Sciences, Institute of Water Management,
Hydrology and Hydraulic Engineering, Vienna

s několikaletou praxí ve významných
evropských výzkumných pracovištích.

Středa 27. 7. 2016 – **LDA**

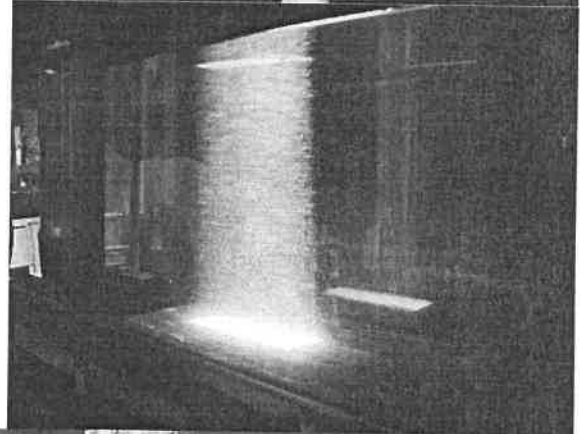
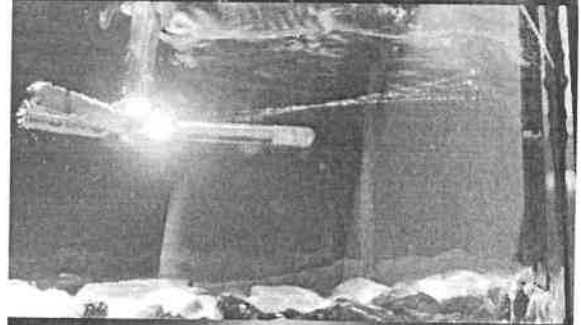
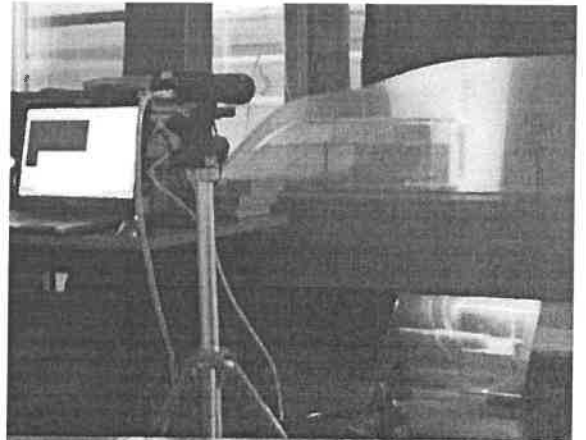
Čtvrtek 28. 7. 2016 – **PIV**

Čas konání: vždy 13 – 15 hod
s navazující demonstrací měřicí techniky.

Místo konání: VUT v Brně, FAST – Veverí 95,
ÚVS-LVV, místnost B105 – přízemí budovy B.

Prosíme o přihlášení k účasti - kontakt:

Ing. Pavel Zubík, Ph.D., 541 14 7296
zubik.p@fce.vutbr.cz



STAFF MOBILITY FOR TRAINING MOBILITY AGREEMENT

The Staff Member

Last name	Todorov	First name	Tsvetomir
Seniority ¹	Intermediate	Nationality ²	Bulgarian
Sex [M/F]	M	Academic year	2015/2016
E-mail	<u>tsvetomir.todorov@gmail.com</u>		

The Sending Institution

Name	TECHNICAL UNIVERSITY OF VARNA	Department/unit	DEPARTMENT OF AUTOMATION
Erasmus code (if applicable)	BG VARNA02		
Address	Studentska 1, Varna	Country/ Country code ³	Bulgaria /BG
Contact person name and position	eng. Mariela Choleva expert of international educational programmes	Contact person e-mail / phone	<u>mariela.choleva@tu-varna.bg</u> / +359 52 302 442

The Receiving Institution / Enterprise

Name	BRNO UNIVERSITY OF TECHNOLOGY	Size of enterprise ⁴ (if applicable)	Large
Erasmus code (if applicable)	CZ BRNO01	Department/unit	Faculty of Civil Engineering / Department of Water Structures
Address	Csc. Veveri 95, 60200 Brno	Country/ Country code	CZECH REPUBLIC/ CZ
Contact person, name and position	Assoc. prof. Dr. Ing. Jana Parilkova	Contact person e-mail / phone	<u>parilkova.j@fce.vutbr.cz</u>
Type of enterprise NACE code ⁵ (if applicable)	85.4 P - Education		

For guidelines, please look at the end notes on page 3.

Section to be completed BEFORE THE MOBILITY

I. PROPOSED MOBILITY PROGRAMME

Planned period of the training activity: from [30/05/2016] till [03/06/2016]

✓ Additional day for travel needed directly before the first day of the activity abroad

✓ Additional day for travel needed directly following the last day of the activity abroad

Overall objectives of the mobility: Learning fields of application and providing measurements according to EIS method with portable device Z-Meter III and Z-meter IV

Added value of the mobility (both for the institutions involved and for the staff member):

Activities to be carried out:

1. Test measurements with Z-meter III and Z-meter IV.
2. Discussing of the problems associated with landslide areas along the Black Sea coast of Aksakovo Municipality.
3. Discussing possibilities for cooperation in this field and joint participation in projects.

Expected outcomes and impact:

For the trainees: Practising in-situ EIS measurements with portable device.

For the home institution:

1. Establishment of a new practice for measurements of impedance spectroscopy.
2. Discussing possibilities for cooperation in this field and joint participation in projects.

For the host institution: Broadening opportunities for application of Z-meter III and Z-meter IV.

II. COMMITMENT OF THE THREE PARTIES

By signing⁶ this document, the staff member, the sending institution and the receiving institution/enterprise confirm that they approve the proposed mobility agreement.

The sending higher education institution supports the staff mobility as part of its modernisation and internationalisation strategy and will recognise it as a component in any evaluation or assessment of the staff member.

The staff member will share his/her experience, in particular its impact on his/her professional development and on the sending higher education institution, as a source of inspiration to others.

The staff member and receiving institution/enterprise will communicate to the sending institution any problems or changes regarding the proposed mobility programme or mobility period.

The staff member

Name: Ass. Tsvetomir Todorov

Signature:

Date:

The sending institution/enterprise

Name of the responsible person: Assoc. Prof. Nedialko Nikolov – Dean FITA

Signature:

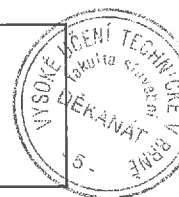
Date:

The receiving institution

Name of the responsible person: Assoc. prof. Nikol Žižková, vice-dean

Signature:

Date: - 8 -03- 2016



¹ **Seniority:** Junior (approx. < 10 years of experience), Intermediate (approx. > 10 and < 20 years of experience) or Senior (approx. > 20 years of experience).

² **Nationality:** Country to which the person belongs administratively and that issues the ID card and/or passport.

³ **Country code:** ISO 3166-2 country codes available at: <https://www.iso.org/obp/ui/#search>.

⁴ **Size:** according to the number of staff, the enterprise should be defined as small (1-50), medium (51-250) or large (>251).

⁵ The top-level NACE sector codes available at http://ec.europa.eu/eurostat/ramon/nomenclatures/index.cfm?TargetUrl=LST_NOM_DTL&StrNom=NACE_REV2&StrLanguageCode=EN

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STAFF MOBILITY FOR TRAINING MOBILITY AGREEMENT

The Staff Member

Last name	Zhekov	First name	Zhivko
Seniority ¹	Intermediate	Nationality ²	Bulgarian
Sex [M/F]	M	Academic year	2015/2016
E-mail	<u>fitter@abv.bg</u>		

The Sending Institution

Name	TECHNICAL UNIVERSITY OF VARNA	Department/unit	DEPARTMENT OF AUTOMATION
Erasmus code (if applicable)	BG VARNA02		
Address	Studentska 1, Varna	Country/ Country code ³	Bulgaria /BG
Contact person name and position	eng. Mariela Choleva expert of international educational programmes	Contact person e-mail / phone	<u>mariela.choleva@tu-varna.bg</u> / +359 52 302 442

The Receiving Institution / Enterprise

Name	BRNO UNIVERSITY OF TECHNOLOGY	Size of enterprise ⁴ (if applicable)	Large
Erasmus code (if applicable)	CZ BRNO01	Department/unit	Faculty of Civil Engineering / Department of Water Structures
Address	Csc. Veveri 95, 60200 Brno	Country/ Country code	CZECH REPUBLIC/ CZ
Contact person, name and position	Assoc. prof. Dr. Ing. Jana Parilkova	Contact person e-mail / phone	<u>parilkova.j@fce.vutbr.cz</u>
Type of enterprise NACE code ⁵ (if applicable)	85.4 P - Education		

For guidelines, please look at the end notes on page 3.

Section to be completed BEFORE THE MOBILITY

I. PROPOSED MOBILITY PROGRAMME

Planned period of the training activity: from [30/05/2016] till [03/06/2016]

✓ Additional day for travel needed directly before the first day of the activity abroad

✓ Additional day for travel needed directly following the last day of the activity abroad

Overall objectives of the mobility: Learning fields of application and providing measurements according to EIS method with portable device Z-Meter III and Z-meter IV
Added value of the mobility (both for the institutions involved and for the staff member):
Activities to be carried out: <ol style="list-style-type: none">1. Test measurements with Z-meter III and Z-meter IV.2. Discussing of the problems associated with landslide areas along the Black Sea coast of Aksakovo Municipality.3. Discuss possibilities for cooperation in this field and joint participation in projects.
Expected outcomes and impact: For the trainees: Practising in-situ EIS measurements with portable device. For the home institution: <ol style="list-style-type: none">1. Establishment of a new practice for measurements of impedance spectroscopy.2. Discussing possibilities for cooperation in this field and joint participation in projects. For the host institution: Broadening opportunities for application of Z-meter III and Z-meter IV.

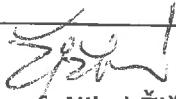
II. COMMITMENT OF THE THREE PARTIES

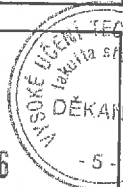
By signing⁶ this document, the staff member, the sending institution and the receiving institution/enterprise confirm that they approve the proposed mobility agreement.

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The staff member will share his/her experience, in particular its impact on his/her professional development and on the sending higher education institution, as a source of inspiration to others.

The staff member and receiving institution/enterprise will communicate to the sending institution any problems or changes regarding the proposed mobility programme or mobility period.

The staff member Name: Ass. Zhivko Zhekov Signature: _____ Date: _____
The sending institution/enterprise Name of the responsible person: Assoc. Prof. Nedialko Nikolov – Dean FITA Signature: _____ Date: _____
The receiving institution Name of the responsible person: Assoc. prof. Nikol Žižková, vice-dean Signature:  Date: - 8 -03- 2016



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Confirmation of Erasmus+ training mobility agreement

EMPLOYEE

Family name:	Ünsal
First name:	Mehmet

SENDING INSTITUTION

Country:	Turkey
Name of sending institution:	Kahramanmaras Sutcu Imam University
Faculty/Department/adress:	Civil Engineering

RECEIVING INSTITUTION

Country:	Czech Republic
Name of receiving institution:	Brno University of Technology (CZ BRNO01)
Adress:	Faculty of Civil Engineering

This is to certify that the teacher undertook the staff mobility for training under the Erasmus+ programme at our institution from 11/04/2016 to 15/04/2016 of the 2015/2016 academic year.

Training days performed during the staff mobility for training:

1. Date: Introduction at the Faculty of Civil Engineering of BUT, in the laboratory of the Institute of Water Structures
2. Date: Laboratory study
3. Date: Laboratory study
4. Date: Laboratory study
5. Date: Cultural trip and share the experience

Main content of the training mobility training in the water laboratory

Date: 15/04/2016

Signed: doc. Ing. Nikol Žižková, Ph.D.

vice-decan

Stamp : _____

(if applicable Erasmus+ departmental/institutional coordinator)





STAFF MOBILITY FOR TRAINING¹

MOBILITY AGREEMENT

Planned period of the training activity: from [day/month/year] till [day/month/year]

Duration (days) – excluding travel days: 11/04/2016-15/04/2016

The Staff Member

Last name	Unsal	First name	Mehmet
Seniority ²	Intermediate	Nationality ³	TR
Sex [M/F]	M	Academic year	2015/2016
E-mail	munsal@ksu.edu.tr		

The Sending Institution

Name	Kahramanmaras Sutcu Imam University	Department/unit	Civil Engineering
Erasmus code ⁴ (if applicable)	TR KAHRAMA01		
Address	Kahramanmaras Sutcu Imam University Avsar Campus Kahramanmaras	Country/ Country code ⁵	TURKEY
Contact person name and position	Asst. Prof. Fikret BİRDİSLİ	Contact person e-mail / phone	fbirdisli@ksu.edu.tr +90 344 280 15 95

The Receiving Institution / Enterprise⁶

Name	Brno University of Technology, Faculty of Civil Engineering		
Erasmus code (if applicable)	CZ BRNO01	Department/unit	Water Structures
Address	Veveri 331/95, 602 00 Brno	Country/ Country code	Czech Republic
Contact person, name and position	Assoc. Prof. Jana Parilkova	Contact person e-mail / phone	Parilkova.j@fce.vutbr.cz
Type of enterprise: NACE code ⁷ (if applicable)		Size of enterprise ⁸ (if applicable)	large



Erasmus+

Higher Education
Mobility Agreement form
Participant's name

For guidelines, please look at the end notes on page 3.

Section to be completed BEFORE THE MOBILITY

I. PROPOSED MOBILITY PROGRAMME

Overall objectives of the mobility:

With this mobility, I am expecting to get development of my professional ability on working at the laboratory. I also think that to see the different technical environment will help me to construct new facilities in my own laboratory in the future. On the other hand, this mobility will give me the chance for cultural exchange with the visited country.

Added value of the mobility (in the context of the modernisation and internationalisation strategies of the institutions involved):

The Erasmus training mobility will increase my international experience and knowledge of laboratory studies in different study areas.

Activities to be carried out:

Day 1: Introduction with receiving institute personal and orientation

Day 2: Laboratory study

Day 3: Laboratory study

Day 4: Laboratory study

Day 5: Cultural trip and share the experience

Expected outcomes and impact (e.g. on the professional development of the staff member and on systems at national, regional and institutional level):

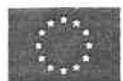
The researchers from both institutes will have chance for collaborating for their careers.

II. COMMITMENT OF THE THREE PARTIES

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The staff member will share his/her experience, in particular its impact on his/her professional development and on the sending higher education institution, as a source of inspiration to others.

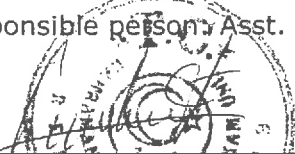



**Higher Education
Mobility Agreement form**
Participant's name

The staff member and the sending institution commit to the requirements set out in the grant agreement signed between them.

The staff member and receiving institution/enterprise will communicate to the sending institution any problems or changes regarding the proposed mobility programme or mobility period.

The staff member	
Name: Assoc. Prof. Mehmet Unsal	
Signature: 	Date: 17/02/2016

The sending institution/enterprise	
Name of the responsible person: Asst. Prof. Fikret Birdisli	
Signature: 	Date: 17/02/2016

The receiving institution	
Name of the responsible person: Assoc. Prof. Nikol Žižková, vice-dean	
Signature: 	Date: 23. 02. 2016

¹ In case the mobility combines teaching and training activities, **the mobility agreement for teaching template** should be used and adjusted to fit both activity types.

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Assoc. Prof. Mehmet Ünsal
Kahramanmaraş Sutcu Imam
University
Civil Engineering Department
Turkey

Brno, 20th January 2016

INVITATION LETTER

We would like to invite Assoc. Prof. Mehmet Ünsal to visit our faculty for the training programme in period from 11 to 15 April 2016. The training will take place in Water laboratory of the Department of Water Structures. This invitation is fully in accordance with the Erasmus+ Exchange Programme.



Assoc. Prof. Nikol Žižková

Vice-dean for internal relations and foreign affairs



