

I. Personal data

Family name: Kolinsky
First name: Petr
Nick name: Ferro
Date of birth: 1977, December 7
Nationality: Czech
Address: Vrcov 85, Borovany, 373 12, Czech Republic
E-mail: petr.kolinsky@volny.cz, kolinsky@irmsm.cas.cz,
+420 777 213 954
Mobile telephone No.:
Mother tongue: Czech
Other languages: English – fluent
German – basic knowledge
Russian – basic knowledge
Latin – 5 years of studying, basic knowledge

Driving license and experience: since 1996; A, B, C, E, T (trucks and trailers available)
1996 – 1998 driver of truck in bakery
1998 driver of truck in convoy to Kosovo
1999 driver of truck to Macedonia / Kosovo
a lot of other experiences of driving cars, vans, off-road 4x4 trucks, little buses

Computer skills: Windows, Linux, MS Word & Excel, programming by Pascal (Delphi),
Fortran, C++, Matlab, html, graphical software, seismic data processing,
Seismic Unix, software application development

II. Education

University education:
2004 – today - Charles University (Prague), Faculty of Mathematics and Physics, Department of Geophysics - seismology / Ph.D. thesis: "Local and Regional Tomography Using Body and Surface Waves"
1997 – 2003 - Charles University (Prague), Faculty of Mathematics and Physics, Department of Geophysics - seismology / Mgr. diploma thesis: "Dispersion of Seismic Surface Waves Along Selected Eurasian Paths"

High school education:
1998 – 2004 - Conservatoire of Jaroslav Jezek (Prague) / Konzervatoř Jaroslava Ježka – classical and jazz piano
1990 – 1997 - First Private High School (Prague) / První obnovené reálné gymnázium

Other education:
1984 – 1998 - lessons of playing the piano at music schools in Prague

III. Jobs

Employment:
2003 – today - Department of Seismology, Institute of Rock Structure and Mechanics (IRSM), Academy of Sciences of the Czech Republic – projects concerning seismological research and study of the Earth crust in Western Bohemia, surface wave research, software development, press agent of the IRSM

Private:
1999 – today - preparing outdoor activities
2003 – 2005 - agent of a company dealing in medical goods; trade certificate: "Trade intermediation"

IV. Other experience

Journeys concerning geophysics:
September 09 - Geophysical Institute, Bulgarian Academy of Sciences, Provadia, seismic station maintenance

- June 09 - 71st EAGE conference, Amsterdam, the Netherlands – oral presentation
- April – May 09 - Geophysical Institute, Bulgarian Academy of Sciences, Provadia, new seismic station deployment
- October – December 08 - three months internship in MicroSeismic Inc, Houston, Texas – shear wave splitting, anisotropy, data processing
- June 2008 - Geophysical Institute, Bulgarian Academy of Sciences, Sofia – data collection
- December 2007 - AGU Fall Meeting, San Francisco, California, USA – oral presentation
- June 2007 - 3rd Stuttgart summer school on nanoseismic monitoring, Stuttgart, Germany
- September 2006 - 1st European Conference on Earthquake Engineering and Seismology, Geneva, Switzerland – poster presentation
- May – June 2006 - visiting the Research Centre for Astronomy and Geophysics, Mongolian Academy of Sciences, Ulaanbaatar – bilateral agreement negotiation, SCREAM project
- June – July 2005 - visiting the Research Centre for Astronomy and Geophysics, Mongolian Academy of Sciences, Ulaanbaatar – study and working tour, presentations
- April 2005 - 2nd General Assembly of the European Geosciences Union (EGU), Vienna, Austria – oral presentation
- Oct. – Nov. 2004 - 7th Workshop on 3D Modelling of Seismic Waves Generation, Propagation and their Inversion, Trieste, Italy – study tour, oral presentation
- June – July 2004 - visiting four institutes of Russian Academy of Sciences in Moscow and Obninsk (Institute of Physics of the Earth named by G. A. Gumburtsev (part of the Shmidt's Joint Institute of Physics of the Earth, Moscow), Institute of Geospheres Dynamic (Moscow), International Institute of Earthquake Prediction and Mathematical Geophysics (Moscow), Central Experimental Methodical Expedition (Geophysical Survey, Obninsk)) – study tour, presentations
- April 2004 - 1st General Assembly of the European Geosciences Union (EGU), Nice, France – oral presentation

Election missions:

- November 2001 - International Polling Station Supervisor of the Kosovo Assembly Election organized by the Organization for Security and Co-operation in Europe (OSCE) Mission in Kosovo (OMIK)
- October 2000 - work for “Pre-election Education Campaign for Youth in Kosovo: Fushata 2000” (Prishtina, other cities in Kosovo), organized by the Open Society Fund (OSF) Praha (East East Program)
- member of the Council of Europe Election Observation Mission (CEEOM) as the international observer of the Kosovo Municipal Election

Humanitarian aid missions:

- August 2002 - cooperation with The Association of Samaritans of the Czech Republic (ASCR) during the flood around Vltava river
- November 2000 - delivery of building materials to Czech villages in Banat region, Romania, organized by the People in Need Foundation
- September 2000 - cooperation with The Association of Samaritans of the Czech Republic (ASCR) and Samaritan International (SAINT) during the World Bank and International Monetary Fund meeting in Prague
- September 1999 - leadership and driving of truck to Macedonia / Kosovo, organized by the Czech Caritas (CKCH)
- July 1999 - repair of houses as an aid for people affected by flood in Ukraine (Rachiv, villages), organized by the Czech Caritas (CKCH)
- April 1999 - attendance of convoy to Monte Negro (Podgorica, Rozaje), organized by the Adventist Development and Relief Agency (ADRA)
- December 1998 - driver of truck in convoy to Kosovo (Pristine), organized by the People in Need Foundation (PINF) / Mother Teresa Organization (MTO)
- 1999 – 2001 - several journeys to Czech villages in the Banat region, Romania and Daruvar, Croatia, attendance of the Czech teachers working in villages, project organized by the Czech Ministry of Foreign Affairs
- October 1996 - attendance of convoy to Moldavia (Chisinau, villages), organized by the Adventist Development and Relief Agency (ADRA)
- 1996 - fund raising for the Czech Committee for Refugees

Hobbies and sport:

- 1993 – 1996 - music, travelling, skiing, snowboarding, whitewater rafting, hiking, horse-riding
- 1995 - member of a rhythm'n'blues band
- 1995 - writing and performing an own dramatic piece (high school)

Memberships, environmental protection:

- member of the Vltava Society (Sdruzeni pro Vltavu) – projects concerning cultural and environmental protection of the upper part of the river Vltava
- member of the Czech Group for Humanitarian Aid
- honorary member of The Association of Samaritans of the Czech Republic
- member of the People in Need Friends Club
- member of the Seismological Society of America (SSA)
- member of the American Geophysical Union (AGU)
- member of the European Association of Geoscientists and Engineers (EAGE)

Other:

- foundation and the 2-year work for high school magazine (supported by the Open Society Fund),
- articles for the magazine Babylon, Českobudějovické listy, HYDROmagazín

Traveling – list of main journeys in the last years:

- 2009
 - the **Netherlands** – Amsterdam - 71st EAGE conference
 - **Bulgaria** – seismic station deployment in Provadia
- 2008/9
 - **USA** – two weeks across the south-eastern US (Texas, Louisiana, Mississippi, Alabama, Tennessee, Kentucky, North Carolina, Virginia, Maryland, Delaware, Pennsylvania, New Jersey, New York)
- 2008
 - **USA** – three months internship in MicroSeismic Inc., Houston, Texas
 - **Kyrgyzstan** and **Uzbekistan** – rafting down the Kekemeren and Naryn rivers, trekking in Tian-Shan, tourism along the Silk Road, 6 weeks
 - **Bulgaria** – Geophysical Institute, Bulgarian Academy of Sciences
- 2007
 - **USA** – AGU Fall Meeting, San Francisco, California
 - **Tibet** and **Nepal** – tourism, trekking around the Mt. Kailash
- 2006
 - **Switzerland** – Geneva – 1st ECEES
 - North Atlantic Islands – 6 weeks around **Faroe Islands, Iceland, Shetland** and **Orkney Islands, Scotland, Isle of Skye** and **England** – tourism, hiking
 - **Mongolia** – visiting the Research Centre for Astronomy and Geophysics of the Mongolian Academy of Sciences, bilateral agreement negotiation, SCREAM project
 - **Afghanistan** – Hindukush Mountains, whitewater rafting down the Band-e-Amir River
- 2005
 - **Mongolia** and **Russia** (11 weeks) – visiting the Research Centre for Astronomy and Geophysics of the Mongolian Academy of Sciences – study and working tour, tourism, horse riding; Siberia (Buryatiya and Tuva) – hiking, whitewater rafting down the Bij-Chem (Bolshoy Yenisey River)
- 2004
 - **Austria** – Vienna – 2nd General Assembly of the EGU
 - **Italy** – Trieste – Seismic Workshop
 - **Canada** – 8 weeks across the country (Ontario, Manitoba, Saskatchewan, Alberta, Northwest Territories, Yukon Territory, British Columbia) – tourism, hiking
 - **Russia** – Moscow – visiting four institutes of Russian Academy of Sciences
 - **France** – Nice – 1st General Assembly of the EGU
- 2003/4
 - **Romania** – tourist journey in the Czech villages, winter sports
- 2003
 - Baltic states and Scandinavia – 6 weeks across Northern Europe (**Poland, Lithuania, Latvia, Estonia, Russia, Finland, Sweden, Norway, Denmark, Germany**) – tourism, hiking, whitewater rafting
- 2002/3
 - **Ukraine** – winter sports, hiking
- 2002
 - Balkan and Eastern European states – 6 weeks (**Hungary, Romania, Bulgaria, Turkey, Greece, Albania, Kosovo, Monte Negro, Croatia, Bosnia and Hercegovina, Serbia**) – tourism, hiking
- 2001
 - **Kosovo** – Assembly Election
 - **Russia** – Siberia, Altai Mountains – hiking, mountain climbing, whitewater rafting down the Katun River
 - **Romania** – Czech villages
- 2000
 - **Kosovo** – development project, municipal election
 - **Romania** – aid for the Czech villages
 - **Croatia** – aid for the Czech school
 - **USA** – 6 weeks across the Western US (Nebraska, Colorado, New Mexico, Arizona, California, Nevada, Idaho, Montana, Wyoming) – tourism, hiking
- 1999
 - **Ukraine** – humanitarian aid, hiking
 - **Romania** – hiking, Czech villages
 - **Monte Negro** – humanitarian aid
 - **Macedonia** – humanitarian aid

- 1998 - **Russia** – Siberia, Baikal Lake – whitewater rafting down the Lena River, hiking in the Chamar-Daban Mountains
- **Kosovo, Serbia** – humanitarian aid
- 1997 - **Norway** – hiking, whitewater rafting
- **Croatia** – trainer of a high school course
- 1996 - **France** – hiking, whitewater rafting
- **Spain** – hiking, whitewater rafting
- **Sweden** – high school exchange
- **Moldavia** – humanitarian aid
- **Romania** – hiking, whitewater rafting
- 1995 - **Norway** – hiking, whitewater rafting
- 1994 - **France** – whitewater rafting
- 1993 - **Germany** – high school exchange
- 1992 - **Germany** – high school exchange
- **Great Britain** – high school exchange
- 1989 - **Russia** (Soviet Union), Moscow – tourism
- a lot of other journeys to Slovakia, Austria, Germany, Italy, Hungary, Croatia, Slovenia, France and other countries

V. References:

papers:

- Gaždová, R., Kolínský, P., Málek, J. and Vilhelm, J., **2008**: Shear wave velocities inferred from surface wave dispersion beneath the Příbram array in the Czech Republic, *Acta Geodyn. Geomater.*, Vol. 5 (151), 247–255.
- Kolínský, P. and Brokešová, J., **2008**: The Western Bohemia uppermost crust Rayleigh wave tomography, *Acta Geodyn. Geomater.*, Vol. 5, No. 1, (149), 5-17.
- Wilde-Piórko, M., Geissler, W. H., Plomerová, J., Grad, M., Babuška, V., Brückl, E., Cyziene, J., Czuba, W., England, R., Gaczyński, E., Gaždová, R., Gregersen, S., Guterch, A., Hanka, W., Hegedüs, E., Heuer, B., Jedlička, P., Lazauskiene, J., Keller, G. R., Kind, R., Klinge, K., Kolínský, P., Komminaho, K., Kozlovskaya, E., Krüger, F., Larsen, T., Majdański, M., Málek, J., Motuza, G., Novotný, O., Pietrsiak, R., Plenefisch, T., Růžek, B., Sliupa, S., Środa, P., Świeczak, M., Tiira, T., Voss, P., Wiejacz, P., **2008**: PASSEQ 2006-2008: Passive Seismic Experiment in Trans-Europe Suture Zone, *Studia geophysica et geodaetica.*, Vol. 52, No. 3, 439-448.
- Řezba, K., Kolínský, P., **2008**: Uppermost crust S-wave velocities from surface waves generated by M4.1 earthquake in Lubin, Poland, *Proceedings XXXI. Polish-Czech-Slovakian Symposium on Mining and Environmental Geophysics*, Prague, Institute of Geology of the Academy of Sciences of the Czech Republic, eds.: Rudajev, V., Živor, R., Svítlová, J., 39-44.
- Kolínský, P. and Brokešová, J., **2007**: The Western Bohemia Uppermost Crust Shear Wave Velocities from Love Wave Dispersion, *Journal of Seismology*, 11, 101-120.
- Málek, J., Kolínský, P., Štrunc, J. and Valenta, J., **2007**: Generalized average of signals (GAS) - a new method for detection of very weak waves in seismograms, *Acta Geodyn. Geomater.*, Vol. 4, (147), 5-10.
- Kolínský, P.: **2005**, Seismic Velocity Model in the Vicinity of Eger Rift from Dispersion of Surface Waves, Final report about the Internal Start Project of the Grant Agency of the Academy of Sciences of the Czech Republic, *Acta Research Reports*, No. 14, 67 - 71.
- Kolínský, P., **2004**: Surface Wave Dispersion Curves of Eurasian Earthquakes: the SVAL Program, *Acta Geodyn. Geomater.*, Vol. 1, No. 2 (134), 165–185.
- Kolínský, P., **2003**: Dispersion of Seismic Surface Waves Along Selected Eurasian Paths. *Diploma thesis*, Department of Geophysics, Faculty of Mathematics and Physics, Charles University, Prague, in Czech. (Disperze povrchových seismických vln podél vybraných euroasijských tras. *Diplomová práce*, KG MFF UK, Praha, česky.)

conferences:

- Kolínský, P., Eisner, L., Grechka, V., Jurick, D. and Duncan, P., **2009**: Observation of Shear-wave Splitting from Microseismicity Induced by Hydraulic Fracturing – A Non-VTI Story, extended abstract, accepted oral presentation, 71st EAGE Conference, Amsterdam, Netherlands
- Málek, J., Kolínský, P., Novotný, O. and Gaždová, R., **2008**: Surface wave propagation through the Bohemian Massif – preliminary results from the PASSEQ experiment (oral presentation by Jiří Málek), 31st General Assembly of the European Seismological Commission, Hersonissos, Crete, Greece.
- Málek, J., Kolínský, P. and PASSEQ working group, **2008**: Propagation of surface waves from Kurile Islands earthquakes through Central Europe (poster), 2008 Joint assembly of the American Geophysical Union, Fort Lauderdale, Florida, USA.
- Kolínský, P. and Málek, J., **2007**: Upper mantle of the Bohemian Massif (Central Europe) studied by surface waves from Kurile Islands M8.1 and M8.3 earthquakes, oral presentation, 2007 Fall meeting of the American Geophysical Union, San Francisco, California, USA.

- **Kolínský, P.** and Málek, J., **2007**: Shear wave crustal velocity model of the Western Bohemian Massif from Love wave phase velocity dispersion, poster, 16th Annual Student Conference - Week of Doctoral Students, 5-8 June 2007, Faculty of Mathematics and Physics, Charles University in Prague, Czech Republic.
- **Kolínský, P.**, **2007**: Shear wave velocity structure estimation using surface waves of different wavelengths, oral presentation, New Knowledge and Measurements in Seismology, Engineering Geophysics and Geotechnics – OVA '06, Ostrava, Czech Republic.
- **Kolínský, P.** and Málek, J., **2006**: Crustal structure of the transition zone between the Saxothuringian, Teplá-Barrandian and Moldanubian units studied by the surface wave method, poster, First European Conference on Earthquake Engineering and Seismology, Geneva, Switzerland.
- **Kolínský, P.**, **2005**: The uppermost Earth crust structure of Western Bohemia estimated from the dispersion of short-period Love waves, oral presentation, EGU meeting, Geophysical Research Abstracts, Vol. 7, 00563, Vienna, Austria.
- **Kolínský, P.**, **2004**: The Earth crust structure of NW Bohemia estimated from the dispersion of short-period surface waves, oral presentation, EGU meeting, Geophysical Research Abstracts, Vol. 6, 02618, Nice, France.

seismological seminars:

- **Kolínský, P.**, Eisner, L. and Duncan, P., **2009**: Štěpení střížných vln od jevů indukovaných při hydraulickém frakturování aneb VTI to nejspíš není (Shear-wave splitting from microseismicity induced by hydraulic fracturing: A non-VTI story.), seminar at the Department of Geophysics, Faculty of Mathematics and Physics, Charles University in Prague.
- **Kolínský, P.**, Eisner, L. and Duncan, P., **2009**: Štěpení střížných vln od jevů indukovaných při hydraulickém frakturování aneb VTI to nejspíš není (Shear-wave splitting from microseismicity induced by hydraulic fracturing: A non-VTI story.), seminar at the Institute of Rock Structure and Mechanics, Academy of Sciences of the Czech Republic.
- **Kolínský, P.**, Novotný, O., Málek, J. and Gaždová, R., **2008**: Disperze povrchových vln a strukturní studie ze záznamů řeckých zemětřesení (Surface wave dispersion and the crust structure from the records of Greek earthquakes.), seminar at the Department of Geophysics, Faculty of Mathematics and Physics, Charles University in Prague.
- **Kolínský, P.**, **2007**: Shear wave velocity structure estimation using surface waves of different wavelengths, seminar at the Institute of Rock Structure and Mechanics, Academy of Sciences of the Czech Republic.
- **Kolínský, P.**, **2007**: Možnosti inverze povrchových vln aneb od disperze k seismogramu (Inversion of surface waves – from dispersion to seismogram), seminar at the Department of Geophysics, Faculty of Mathematics and Physics, Charles University in Prague.
- **Kolínský, P.**, **2006**: Analýza povrchových vln od blízkých lomových odpalů i vzdálených zemětřesení na skupinové stanici Ostaš (Surface wave analysis of close quarry blast and regional earthquake records using the Ostaš small aperture array), seminar at the Institute of Rock Structure and Mechanics, Academy of Sciences of the Czech Republic.
- **Kolínský, P.** and Brokešová, J., **2006**: The Western Bohemia Uppermost Crust Shear Wave Velocities from Love Wave Dispersion, seminar at the Institute of Rock Structure and Mechanics, Academy of Sciences of the Czech Republic.
- **Kolínský, P.**, **2006**: Struktura kůry podél profilu Tábor – Komorní Hůrka metodou měření relativních fázových rychlostí povrchových vln od vzdálených zemětřesení (Earth crust structure along the Tábor – Komorní Hůrka profile from the relative measurement of phase velocities from regional earthquake records), seminar at the Department of Geophysics, Faculty of Mathematics and Physics, Charles University in Prague.
- **Kolínský, P.**, **2005**: Analysis and Inversion of Surface Waves – Demonstration of the SVAL Program, seminar at the Department of Geophysics, Faculty of Mathematics and Physics, Charles University in Prague.
- **Kolínský, P.**, **2005**: Model seismických rychlostí v oblasti Oherského riftu na základě disperze povrchových vln – Závěrečná zpráva o startovacím projektu AV ČR (Eger Rift seismic velocity model from surface wave dispersion – Final report about the Internal Start Project of the Grant Agency of the Academy of Sciences of the Czech Republic), seminar at the Institute of Rock Structure and Mechanics, Academy of Sciences of the Czech Republic.
- **Kolínský, P.**, **2004**: Struktura zemské kůry odvozená z disperze grupové rychlosti povrchových vln (Earth crust structure from the surface wavegroup velocity dispersion), seminar at the Institute of Rock Structure and Mechanics, Academy of Sciences of the Czech Republic.
- **Kolínský, P.**, **2004**: The Uppermost Crust S-velocity Model of Western Bohemia Estimated from the Dispersion of Short-period Love Waves, seminar at the 7th Workshop on Three Dimensional Modelling of Seismic Waves Generation, Propagation and their Inversion, The Abdus Salam International Centre for Theoretical Physics, Trieste, Italy.

travel seminars:

- 2009 photos from Afghanistan and movie from the Band-e-Amir river rafting, PORG (First Reunited Secondary School), Prague
- 2008 photos and movie from the Band-e-Amir river rafting, Afghanistan, Clubhouse, Slatiňany

2006 photos from Mongolia 2005 and 2006, travelers club Karavanserai, Prague
2006 photos from the Sayany Mountains and the Bij-Chem river rafting, travelers club Karavanserai, Prague
2006 photos from the Sayany Mountains and the Bij-Chem river rafting, Czech Technical University, Prague
2002 movie from the Altai Mountains and about the Katun river rafting, Sudoměřice u Bechyně
2002 movie from the Altai Mountains and about the Katun river rafting, Tea-room Carpe Diem, Dobříš
2002 movie from the Altai Mountains and about the Katun river rafting, Conservatoire of Jaroslav Jezek, Prague