

Elena KONSTANTINOVSKAYA

STRUCTURAL GEOLOGIST, GEOMECHANICS ENGINEER

Affiliation:

Associate Director, Integrated Petroleum Geosciences (IPG) Program
Earth and Atmospheric Sciences
University of Alberta, Edmonton, Alberta, Canada T6G 2E3

E-mail: konstant@ualberta.ca

LinkedIn, Research Gate: Elena Konstantinovskaya

Cell. +1-(780)-718-4062

Citizenship: Canadian, Russian

Languages: English, French, Russian

Doctor of Science and Ph.D. in Geology and Mineralogy

Member of Order of Geologists of Quebec N 1087 8/9/2006-2017

Member of APEGA 240834 since 16/01/2017

Skills / Research interests:

- ✓ 1D-3D coupled reservoir geomechanics modeling, *in-situ* pore pressure and stress analysis
- ✓ evaluation of fault mechanical instability and risk of induced seismicity in response of reservoir pore pressure changes
- ✓ analysis of natural fractures and fault seal capacity, caprock integrity
- ✓ mechanical properties of rocks, mechanical stratigraphy, core description and sampling
- ✓ structural interpretation of 2D and 3D reflection seismic survey data, discontinuity attributes
- ✓ structural geology and tectonics of sedimentary basins and orogenic belts
- ✓ analogue modeling at upper crustal and lithospheric scale
- ✓ paleogeographic and paleotectonic reconstructions, terrane analysis

Fieldwork areas:

- Canada: WCSB, St. Lawrence Platform, Quebec Appalachians, Gaspésie, Labrador Trough
- Russia: Kamchatka Peninsula, Sea of Okhotsk area, Western Siberia, Russian Platform
- Asia: Taiwan, Tibet, Tien-Shan
- Europe: Liguria Sea, Corsica

Software:

- Petrel RG, VISAGE, Eclipse/IX, TECHLOG, Python, IHS Kingdom Suite, FLAC3D
- GOCAD, ArcGIS, Geodatabase, MapInfo, Stereostat, GMT (Linux)
- Microsoft Office, graphic and digital video software

PERSONAL QUALIFICATIONS

- ✓ Good problem-solver, self-motivated, able to handle large volumes of work, meet deadlines, multitasking
- ✓ Project management, experience in work in multidisciplinary team, good team-builder
- ✓ Experienced in working with confidential data
- ✓ Excellent communication skills, report writing and presentation, customer relationships
- ✓ Extensive experience in mentoring and teaching
- ✓ Valid driver license, available for travel, willing to learn and contribute

PROFESSIONAL EXPERIENCE

RESEARCH / CONSULTING

- 2017-present UNIVERSITY OF ALBERTA, EAS, Edmonton, Alberta, Canada
Associate Director, Integrated Petroleum Geosciences (IPG) Program
Development of new programming, facilitate the development of IPG projects with industry partners, promote the program both within Canada and internationally, contribute to teaching program (Fundamentals of Petroleum Geomechanics, Advanced Seismic Interpretation), supervising capstone projects
- 2014-2016 SCHLUMBERGER, Metropolis Office, Moscow, Russian Federation
Moscow Geomechanics Team Leader (06/2015-12/2016);
Geomechanics Engineer (2014-05/2015)
Data audit, 1D wellbore stability modeling, 3D reservoir geomechanics modeling, interpretation of 3D seismic reflection survey data, DFN modeling, core description and sampling, core testing analysis (static and dynamic elastic properties, rock strength), pore pressure estimation and present-day principal stress evaluation, vertical (lithology-based) anisotropy and brittleness analysis in shales on the basis of logging and core testing data and plane-of-weakness analysis in shales to minimize risks of wellbore instability.
- 2005-2013 INSTITUT NATIONAL DE LA RECHERCHE SCIENTIFIQUE (INRS-ETE), Quebec City
Research associate (2006-2013/10); Post-doctoral fellowship (2005-2006)
Present-day stress analysis, reservoir-geomechanical modeling of fault instability, analysis of fault seal capacity and caprock integrity, petrophysical characterization of sandstone reservoir and shale caprock for CO₂ storage; geothermal projects; rock mechanical properties; structural interpretation of 2D and 3D seismic reflection survey data; duplex geometry, emplacement and initial location reconstruction; 3D analogue modeling of fault propagation in foreland basins, thrust wedges and inverted grabens under the effects of irregular basement structure, syntectonic erosion and sedimentation; evolution of triangle zones in foreland basins; design and construction of equipment for sand-box and isostatically-driven wax-based modeling for simulation of brittle and ductile deformation applicable for CT scan analysis.
- 2011/05-2012/12 INTRAGAZ, Trois-Rivières, QC. Consultant-geologist.
Well-log interpretation, analysis of 2D and 3D seismic reflection survey data; subsurface structural mapping, 2D and 3D structural reconstruction of geometry, paleo-location and history of differential emplacement of duplexes in the Joly – St. Flavien gas storage area, southern Quebec Appalachians with implications for lateral reservoir continuity.
- 2011/11-12 MINISTÈRE DES TRANSPORTS DU QUÉBEC. Quebec City. Consultant-geologist.
Structural model of the karst collapse area in Notre-Dame-des-Laurentides, Quebec.
- 2011/10-11 PETROLIA/QUEBENERGIE, Quebec City. Consultant-geologist.
Analysis of fracture systems in the Haldimand reservoir, Gaspésie, on the basis of surface structural data and interpretation of 3D seismic reflection survey and seismic attributes.
- 2008/10-11 ORBITE V.S.P.A. Inc., Montreal, QC. Consultant-geologist.
Structural geology of the Grand Valley, Gaspésie Appalachians, Quebec; mapping of the aluminium-bearing argillites.
- 2008/05-09 AREVA-QUEBEC INC., Le Gardeur, QC. Expert-geologist.

Regional structural geology and mapping of the Labrador trough area (Minowean-Partage-Du Chambon projects) and role of late normal faulting in localisation of the uranium mineralisation.

- 2007/11-2008/02 LES MINES J.A.G. Ltd, Montreal, QC. Consultant-geologist.
Structural geology of the Temiscouata lac region, Quebec Appalachians, Canada; characterization of geometry and structural evolution of regional folds.
- 1986-2005 GEOLOGICAL INSTITUTE, RUSSIAN ACADEMY OF SCIENCES, Moscow, Russia
Research (1986-1998), Senior (1998-2002), and Leader (2002-2005) Research scientist
Tectonics and geodynamics of arc-continent collision in orogenic belts of Kamchatka and Taiwan, deformation phases of arc and continental margin during the collision, structural control of hydrocarbon fields in foreland basins, 3D paleogeographic and paleotectonic reconstructions at crustal and lithospheric scale; island-arc and back-arc basin terrane analysis; paleogeodynamic evolution of margin of the Northeast Asia in Cretaceous-Cenozoic time; geological mapping (1:25 000, 1:50 000), geochemistry and sedimentology of Cretaceous volcanoclastic rocks, shales and cherts of Kamchatka; 7 seasons of field works of duration of 3-4 months per year in distant and unpopulated areas of Kamchatka in 1984-1987, 1989-1991.
- 2001-2003 DYNAMICS OF LITHOSPHERE LABORATORY, CNRS-UM2, Montpellier, France
Invited professor (4 months/yr.)
2D and 3D analogue (sandbox) modeling at crustal scale and quantitative analysis of fault propagation and exhumation in accretionary wedges under the effects of syntectonic erosion and sedimentation, and under the settings of forearc lithospheric block subduction; analysis of seismicity and gravity survey data in the Southeast Asia
- 1997-1998 GEOSCIENCES AZUR LABORATORY, CNRS-UNSA, Valbonne, France
Invited research scientist
2D and 3D analogue modeling of arc-continent collision at lithospheric scale, rheology of lithosphere, concept of structural phases of deformation of continental margin and arc during arc-continent collision.
- 1996-1997 GEOPHYSICS / TECTONICS LABORATORY, CNRS-UM2, Montpellier, France
Post-doctoral fellowship
Petrological and microstructural study of mylonitic peridotites from the Kunlun ophiolite suture, Northern Tibet, reconstruction of origin and deformation of the peridotites as a mantle material exhumed at slow spreading ridge in Paleo-Tethyan Ocean.
- 1983 LABORATORY OF NEOTECTONICS, MOSCOW STATE UNIVERSITY, Moscow, Russia
Technician in geology
Assistance in field works in Tien-Shan (Monts Zeravchan) on neotectonics and gold placer exploration

TEACHING

Courses taught

- 2018-present EAS 422/522 Advanced seismic interpretation, University of Alberta, EAS, 15-11 MSc students
2017-present Fundamentals of Petroleum Geomechanics, University of Alberta, EAS, IPG Program
2017 IPG512 Seismic Interpretation, University of Alberta, IPG Program, 17 MSc students

- 2016/04 Structural Geology Interpretation as a part of the course Seismic structural framework horizon and fault mapping (junior colleagues of RCA Geomechanics), Team Leader, Schlumberger, Moscow, Russia
- 2014/11-12 Fundamentals of Geomechanics (24 5th year students), Sessional lecturer, GUBKIN RUSSIAN STATE UNIVERSITY OF OIL AND GAS, Moscow, Russia
- 2007-2009 Structural geology (20 to 34 undergrad students from the 1st, 2nd and 3rd year), Sessional lecturer, LAVAL UNIVERSITY, Quebec City. Positive student evaluations.
- 2007-2009 Geological mapping (18 to 25 undergrad students from the 2nd and 3rd year), Team-taught in field with Fritz Neuweiler. LAVAL UNIVERSITY, Quebec City, Canada.

Coaching and mentoring

- 2015/04-2016 Coach to 6 junior geomechanics engineers. SCHLUMBERGER, Moscow, Russia.
- 2011 Training of Noémie Fayol PhD student (UQAM) in analogue modeling. INSTITUT NATIONAL DE LA RECHERCHE SCIENTIFIQUE, Quebec City, Canada.
- 2010-2011 Organization and conduction of 1 to 5 days' field trips "Stratigraphy and tectonic features of the St. Lawrence Lowlands" for Master and PhD students (15 students). INSTITUT NATIONAL DE LA RECHERCHE SCIENTIFIQUE, Quebec City, Canada.
- 2001-2003 Training of graduate students in analogue modeling. Invited professor (4 months/yr.) UNIVERSITY OF MONTPELLIER, Montpellier, France.

Supervisor of graduate studies and Examiner for students' Thesis

- 2019-present Supervising PhD student Atena Bahramiyarahmadi "Structural and Geomechanical Study of the Fox Creek Area, AB", University of Alberta
- 2019 Member of the Evaluation Committee for MSc thesis of Michael Duvall (supervisor Professor John Waldron, University of Alberta)
- 2018 Member of the Evaluation Committee for MSc thesis of Jared Kugler (supervisor Professor John Waldron, University of Alberta)
- 2017-present Supervising capstone project (May-August), 10-20 students, IPG Program, UofA, Edmonton
- 2013 Co-Director of PhD student Pierre Ladevèze, Institut National de la Recherche Scientifique, Quebec City.
- 2006, 2010 Member of the doctoral examination committee and a reviewer of the PhD thesis of Carl Guilmette "High-P Granulite facies metamorphism from the Tibetan plateau and the Himalaya: Metamorphic history and geochemistry of lower crustal and early subduction metamorphic rocks", Laval University, Quebec City.

Invited lectures, webinars

- 2015 "Wellbore stability analysis and plane-of-weakness modeling in shales", two on-line internal webinars, Schlumberger, Moscow, Russia (20 attendees)
- 2015 "Integrated solution on shale instability: technological approaches of geomechanics modeling" webinar for PermNIPIneft and Lukoil Engineering (external clients), Perm City, Russia
- 2009 "Arc-continent collision: example of Kamchatka" for course of Continental geodynamics given by M. Malo. INRS-ETE, Quebec City (10 Master's and PhD students)
- 2006-2007 "Geodynamics of Arc-Continent Collision: Kamchatka and Taiwan" for course of Geodynamics given by R. Hébert. Laval University, Quebec City (25 5th year students)
- 2006 "Analogue modeling: basic principles, geological examples" for course of Structural Geology given by D. Kirkwood. Laval University, Quebec City (18 2nd year students)
- 2005 "Mountain Chains: tectonics and experimental modeling, for course of Continental Geodynamics, INRS-ETE, Quebec City (15 Master's and PhD students).

- 2005 “Arc-Continent Collision and Deformation of Continental Margins of East Asia: tectonics and geodynamic modeling”. Film, Continental margins: Deformation and seismic activity. INRS-ETE and Laval University, Quebec City (15 Master’s and PhD students and 20 undergrad students from the 2nd to 5th year, respectively).
- 2002-2003 “Arc-Continent and Continent-Continent Collision” for course of Geodynamics, the Lomonosov Moscow State University, Moscow, Russia (22 5th year students).

SERVICE TO THE COMMUNITY

- 2007-2011 Representative of Canada, Arc-continent collision, INTERNATIONAL PROJECT IGCP524.
2000-2004 Representative of Russian Federation to CCOP, COORDINATING COMMITTEE FOR GEOSCIENCE PROGRAMS IN EAST AND SOUTHEAST ASIA.

EDITORIAL AND REVIEWER DUTIES

- 2000-2017 Scientific editor of English version, member of Editorial board, journal “GEOTECTONICS”, Moscow, Russia.
- 2010-present Reviewer for Tectonophysics (2018), Hydrology (2018), Structural Geology (2017), Open Petroleum Engineering Journal (2017), Research proposal for AUB (2017), Geology (2012), Geotectonics (2010-2013), Greenhouse Gases: Science and Technology (2013), Tectonics (2012), Terra Nova (2012).

EDUCATION

Continuing education:

- 2019 Unconventional Reservoir Geomechanics, Stanford Online Course by M. Zoback and A. Kohli.
- 2019 Emotional Intelligence, WinSETT Centre, Continuing Professional Development.
- 2018 Risk Analysis, Prospect Evaluation, and Exploration Economics, Rose & Associates, Calgary, Alberta, Canada
- 2016 IX (basic and advanced), 9 days, attended by 16 people, Schlumberger, Moscow, Russia
- 2015 Deep Blue 3 (Petrel RG, VISAGE, MWP, DSA, SPPP, Advanced BSCs), Schlumberger MLC, Abu-Dhabi, U.A.E. (Certificate)
- 2015 Reservoir Geomechanics (NEXt): 3-days on-line course, Abingdon, U.K.
- 2015 vPTU Certification (WBS and Pp in Techlog; Geomechanical grids in Petrel RG; Fault analysis and transmissibility in IX; Structural and spectral decomposition in Petrel; Real-time monitoring petrophysical analysis in Techlog; Studio Installation and Configuration) (Certificate)
- 2014 OFS-6, Schlumberger Siberian Training Center, Tyumen
- 2014 Reservoir Geomechanics, Stanford online course (Certificate)
- 2014 Geomechanics in Techlog (SIS course), Metropolis Moscow office (Certificate)
- 2014 Petrel Fundamentals, Geology, Geophysics (SIS course), Metropolis Moscow office (Certificate)
- 2013 Attestation « Anglais des Affaires », Une Affaire d’Anglais, Quebec City, Canada (Certificate)
- 2012 FLAC3D, Itasca Consulting Group, Inc., Minneapolis, MN, U.S. (Certificate)
- 2012 GOCAD, INRS, Quebec, QC, Canada (Certificate)
- 2011 Geodatabase, Quebec MNR, Quebec, QC, Canada
- 2011 Seismic reservoir characterization, INRS, Quebec, QC, Canada
- 2011 Introduction to Geomechanics for Unconventional Gas, Montreal, QC, Canada (Certificate)
- 2011 Pore Systems, Conductivity and Permeability, Calgary, Ab, Canada (Certificate)

- 2010 SMT Training Courses, 2d/3d SynPAK, EarthPAK, Kingdom Suite, Calgary, Ab, Canada
- 2008 Gravity interpretation in mineral exploration, Quebec MNR, Quebec, QC, Canada
- 2008 Recent and not-so-recent developments in uranium deposits and implications for exploration, Areva-Quebec, Quebec, QC, Canada
- 1998 Marine Geophysics Research Study, European Advanced Study Course of Marine Science and Technology (MAST), Ligurian Sea, Corsica, France
- 1997 Certificat pratique de la Langue Française, Université Paul Valery Montpellier III, France

Degrees

- 2002/05/17 Doctor of Science (Docteur d'État) in Geology and Mineralogy, Russian Academy of Sciences
Thesis "Margins of East Asia: Tectonics, Structural Evolution and Geodynamic Modeling"
- 1999 Status of Senior Scientist of the Russian Academy of Sciences
- 1998 Attestation de qualification aux fonctions de maître de conférence, S. 35-36, Paris, France
- 1992/12/24 Ph.D. (Docteur ÈS Science) in Geology and Mineralogy, Russian Academy of Sciences
Thesis "Eastern Kamchatka during the Cretaceous time"
- 1986/06/30 BSc with Honors in Geology (cum laude), the Lomonosov Moscow State University, Moscow

AWARDS

- 2016 Eureka activist, award from Eureka Schlumberger community, SIG geology.
- 2012 David Elliott Award for Best Paper of the Structural Geology and Tectonics Division of the Geological Association of Canada: Konstantinovskaya E., and Malavieille J., 2011. Thrust wedges with décollement levels and syntectonic erosion: A view from analogue models. *Tectonophysics*, 502: 336–350
- 2008 David Elliott Award for Best Paper of the Structural Geology and Tectonics Division of the Geological Association of Canada: Konstantinovskaya E. A., L.B. Harris, J. Poulin, G.M. Ivanov. 2007. Transfer zones and fault reactivation in inverted rift basins: Insights from physical modeling. *Tectonophysics*. 441: 1-26.
- 2008 Best Abstract of the 2008 CSPG CSEG CWLS Convention, Calgary, Alberta, Canada
- 2007 CGC-Québec Prime au mérite locale en reconnaissance de participation à l'activité du jour de la Terre du CGQ dans le cadre de la journée internationale du jour de la Terre 2007.
- 2004-2005 Laureate of the competition for Doctors of Sciences, Russian Academy of Sciences
- 1999 Medal of Russian Academy of Sciences, Laureate of the competition for young scientists, Russian Academy of Sciences

MEMBERSHIP IN PROFESSIONAL SOCIETIES

- 2017-present Member APEGA N 240834
- 2017-present Member of CSPG N 30298
- 2006-2017 Member of Order of Geologists of Quebec N 1087 since 8/9/2006
Geological Association of Canada, Canadian Tectonic Group;
- 2014-2017 Member of SPE
- 1998-2013 Membership of American Geophysical Union; European Union of Geosciences
- 1995-1998 Membership of International Association of Sedimentologists

LIST OF PUBLICATIONS

My h-factor for 35 journal articles is 15, i10- index 21 (Google Scholar, Jan 2019)

The total number of publications (156) include books, chapters (4); papers in peer-reviewed journals (35), other articles (3); technical reports (28), abstracts for meeting presentations (84), scientific movies (2)

BOOKS

1. **Konstantinovskaya E.**, 2011. The Early Eocene arc-collision in Kamchatka, Russia: structural evolution and geodynamic modeling. In: D. Brown and P.D. Ryan (Eds.), Arc-Continent Collision, Frontiers in Earth Sciences, Springer-Verlag Berlin Heidelberg, pp. 247-277. <http://link.springer.com/book/10.1007/978-3-540-88558-0>.
2. D. Brown, P.D. Ryan, J.C. Afonso, D. Boutelier, J.P. Burg, T. Byrne, A. Calvert, F. Cook, S. DeBari, J.F. Dewey, T.V. Gerya, R. Harris, R. Herrington, **E. Konstantinovskaya**, T. Reston, and A. Zagorevski, 2011. Arc-Continent Collision: The Making of an Orogen. In: D. Brown and P.D. Ryan (Eds.), Arc-Continent Collision, Frontiers in Earth Sciences, Springer-Verlag Berlin Heidelberg, pp. 477-493. <http://link.springer.com/book/10.1007/978-3-540-88558-0>
3. **Konstantinovskaya E.A.** 2003. Margins of East Asia: Tectonics, Structural Evolution and Geodynamic Modeling. Moscow, Scientific World, 224 p., (Issues of GIN RAS N549), (in Russian); Annotation (in English).
4. Zinkevich V.P., **Konstantinovskaya Ye.A.**, Tsukanov N.V., Rikhter A.V., Kamenetsky V.S., Magakyan R., Sobolev A.V., Karpenko S.F., Garanina S.A., Danyushevsky L.V., Kononkova N.N., Portnyagin M.V., Kolesov G.M., Romashova T.V. 1993. Accretionary tectonics of Eastern Kamchatka. Yu. M. Pushcharovsky (Ed.). Moscow, Nauka, 272 p. (in Russian).

REFEREED PAPERS

1. **Konstantinovskaya, E.**, Li, Q., Malo, M., Rivero, J. A., Faskhoodi, M. M., Campbell, B., 2020. Strike-slip reactivation of a high-angle normal fault induced by increase of reservoir pore pressure: insight from 3D coupled reservoir-geomechanical modeling, Int. J. Green Gas Control, <https://doi.org/10.1016/j.ijggc.2020.103159>
2. Malavieille, J., Dominguez, S., Lu, C.-Y., Chen, C.-T., **Konstantinovskaya, E.**, 2019. Deformation partitioning in mountain belts: insights from analogue modelling experiments and the Taiwan collisional orogen. Geological Magazine doi: 10.1017/S0016756819000645
3. **Konstantinovskaya, E.**, Ivanov, G., Feybesse, J.L., and Lescuyer, J.L., 2019. Structural Features of the Central Labrador Trough: A Model for Strain Partitioning, Differential Exhumation and Late Normal Faulting in a Thrust Wedge under Oblique Shortening. Geoscience Canada, v. 46, 5-30. <http://www.dx.doi.org/10.12789/geocanj.2019.46.143>
4. **Konstantinovskaya, E.**, Grachev, O., Petrakov, Yu., Sobolev, A., Mikhaltseva, I., Ereemeev, A., Delia, S.V., Shtyfel, A.P., Parshin, N.V., Drandusov, K. A., 2016. 3D geomechanics modeling and shale anisotropy for wellbore stability and horizontal well optimization, Middle Nazym field, Western Siberia, Russia. SPE 182019
5. **Konstantinovskaya, E.**, Laskin, P., Ereemeev, D.M., Pashkov, A.V., Semkin, A.A. 2016. Shale stability when drilling deviated wells: geomechanical modeling of bedding plane weakness, Field X, Russian Platform. SPE 182022
6. **Konstantinovskaya, E.**, Malo M., Badina F. 2014. Effects of irregular basement structure on the geometry and emplacement of frontal thrusts and duplexes in the Quebec Appalachians: Interpretations from well and seismic reflection data. Tectonophysics, 637, 268-288. <http://dx.doi.org/10.1016/j.tecto.2014.10.012>.
7. **Konstantinovskaya, E.**, Rutqvist, J., Malo, M. 2014. CO₂ storage and induced fault instability in the St. Lawrence Lowlands sedimentary basin (Québec, Canada): insight from coupled reservoir-geomechanical modeling. International Journal of Greenhouse Gas Control. 22, 88-110. <http://dx.doi.org/10.1016/j.ijggc.2013.12.008>.

8. Tran Ngoc, T. D., Lefebvre, R., **Konstantinovskaya, E.**, Malo, M. 2013. Characterization of deep saline aquifers in the Bécancour area, St. Lawrence Lowlands, Québec, Canada: Implications for CO₂ geological storage. *Environmental Earth Sciences*, 72 (1), 119-146. <http://link.springer.com/article/10.1007%2Fs12665-013-2941-7>.
9. Claprood, M., Gloaguen, E., Giroux, B., **Konstantinovskaya, E.**, Malo, M., Duchesne, M. J., 2012. Workflow using sparse vintage data for building a first geological and reservoir model for CO₂ geological storage in deep saline aquifer. A case study in the St. Lawrence Platform, Canada. *GHG Science and Technology*, 2(4): 260-278 <http://onlinelibrary.wiley.com/doi/10.1002/ghg.1292/full>
10. **Konstantinovskaya E.**, Malo M., Castillo D.A., 2012. Present-day stress analysis of the St. Lawrence Lowlands sedimentary basin and implications for caprock integrity during CO₂ injection operation. *Tectonophysics*, 518–521: 119–137, <http://dx.doi.org/10.1016/j.tecto.2011.11.022>
11. **Konstantinovskaya E.**, and Malavieille J., 2011. Thrust wedges with décollement levels and syntectonic erosion: A view from analogue models. *Tectonophysics*, 502: 336–350. <http://dx.doi.org/10.1016/j.tecto.2011.01.020>
12. Malavieille J. and **Konstantinovskaya E.**, 2010. Impact of Surface Processes on the Growth of Orogenic Wedges: Insights from Analog Models and Case Studies. *Geotectonics*, 44 (6): 541–558. <http://link.springer.com/article/10.1134/S0016852110060075>
13. **Konstantinovskaya E.A.**, D. Rodriguez, D. Kirkwood, L.B. Harris, and R. Thériault. 2009. Effects of basement structure, sedimentation and erosion on thrust wedge geometry: an example from the Quebec Appalachians and analogue models. *Bulletin of Canadian Petroleum Geology*, 57 (1): 34–62 <http://bcpg.geoscienceworld.org/content/57/1/34.full.pdf+html>
14. **Konstantinovskaya E. A.**, L.B. Harris, J. Poulin, G.M. Ivanov. 2007. Transfer zones and fault reactivation in inverted rift basins: Insights from physical modeling. *Tectonophysics*. 441: 1-26. <http://dx.doi.org/10.1016/j.tecto.2007.06.002>
15. **Konstantinovskaya E.A.** and Malavieille J. 2005. Erosion and Exhumation in Accretionary Orogens: Experimental and Geological Approaches. *Geochemistry, Geophysics, Geosystems*, 6, N2, Q02006, <http://onlinelibrary.wiley.com/doi/10.1029/2004GC000794/pdf>.
16. **Konstantinovskaya E.A.** and Malavieille J. 2005. Accretionary orogens: erosion and exhumation. *Geotectonics* Vol. 39. No. 1. pp. 69–86. <http://www.maik.rssi.ru/cgi-perl/search.pl?type=abstract&name=geoteng&number=1&year=5&page=69>
17. **Konstantinovskaya E.A.** and Peive A.A. 2005. Tectonics and geodynamics at the 32 session of IGC, Florence, Italy (Review). *Geotectonics*. Vol. 39. No. 1. pp. 94–98.
18. **Konstantinovskaya E. A.** 2004. Collision and extension at continental margins: Example of the Sea of Okhotsk. *International Consortium of Geological Surveys (ICOGS) Asia-Pacific Newsletter*, 6: 13-23
19. **Konstantinovskaia E. A.**, M. Brunel, J. Malavieille. 2003. Discovery of the Paleo-Tethys residual peridotites along the Anyemaqen - KunLun suture zone (North Tibet). *C.R. Acad. Sci. Paris. Geoscience*. 335 (7). 709–719.
20. **Konstantinovskaia E.A.** 2002. The mechanism of continental crust accretion: an example of Western Kamchatka. *Geotectonics*. 36 (5): 67-87.
21. **Konstantinovskaia E.A.** 2002. The mode and nature of crustal growth in the accretionary orogen: continental margin of Kamchatka Peninsula, Russia. In: *Proceedings of the 38th CCOP Annual Session (CD ROM)*.
22. **Konstantinovskaia E.A.** 2001. Deformation of continental margin of Northeast Asia: tectonics and geodynamic modeling. *International Consortium of Geological Surveys (ICOGS) Asia-Pacific Newsletter*. 4: 28-40.
23. **Konstantinovskaia E.A.** 2001. Arc-Continent Collision and subduction reversal in the Cenozoic evolution of the Northwest Pacific: An example from the Kamchatka (NE Russia). *Tectonophysics*. *SEASIA Spec. Issue*. 333 (1/2): 75-94.
24. Chemenda A.I., Yang R.-K., J.-F. Stephan, **Konstantinovskaia E.A.**, Ivanov G.M. 2001. New results from physical modeling of arc-continent collision in Taiwan: evolutionary model. *Tectonophysics*. *SEASIA Spec. Issue*. 333 (1/2): 159-178.
25. **Konstantinovskaia E.A.** 2000. Geodynamics of the Early Eocene Arc-Continent Collision reconstructed from the Kamchatka orogenic belt (NE Russia). *Tectonophysics*. 325 (1-2): 87-105.

26. **Konstantinovskaya E.A.** 1999. Geodynamics of island arc-continent collision in the Western Pacific margin. *Geotectonics*. 33. (5): 353-370.
27. **Konstantinovskaya E.A.** 1998. Mesozoic oceanic siliceous, carbonate, and terrigenous rocks at the southeastern Taigonos Peninsula (Northeastern Russia). *Lithology and mineral resources*. 33 (4). 354-368.
28. **Konstantinovskaya E.A.** 1997. The Late Cretaceous marginal sea of Kamchatka peninsula. *Lithology and mineral resources*. 32 (1): 50-64.
29. Zinkevich V.P., Kolodyazhny S. Yu., Bragina L.G., **Konstantinovskaya Ye.A.**, Fedorov P.I. 1994. Tectonics of the Eastern framing of Kamchatka Sredinny massif of metamorphic rocks. *Geotectonics*. 28 (1): 75-89.
30. Magakyan R.G., Kolesov G.M., Romashova T.V., **Konstantinovskaya Ye.A.** 1993. Geochemical features of Cretaceous island-arc magmatism from Eastern Kamchatka. In: *Accretionary tectonics of Eastern Kamchatka*. Yu.M. Pushcharovsky (Ed.). Moscow, Nauka, p. 114-155. (in Russian).
31. Zinkevich V.P., Tsukanov N.V., **Konstantinovskaya Ye.A.** 1993. Tectonic structure of the East-Kamchatka zone. In: *Accretionary tectonics of Eastern Kamchatka*. Yu.M. Pushcharovsky (Ed.). Moscow, Nauka, p. 197-122. (in Russian).
32. Shapiro M.N., Markevich P.V., Grechin V.I., **Konstantinovskaya Ye.A.** 1992. Upper Cretaceous and Lower Paleocenian Kamchatka's psammites: composition and problem of sources. *Lithology and mineral resources*. 6: 94-106.
33. Zinkevich V.P., **Konstantinovskaya Ye.A.**, Danyushevsky L.V., Kamenetsky V.S. et al. 1991. Geology and petrology of Cretaceous and Paleocenian volcanic rocks of Tumrok Ridge (Eastern Kamchatka). *Pacific Geology*. 5: 82-86.
34. Zinkevich V.P., **Konstantinovskaya Ye.A.**, Magakyan R.G., Tsukanov N.V. 1990. Accretionary tectonics of the Eastern Kamchatka. *Transactions (Docladu of the USSR Academy of Sciences)*. 312(5):1186-1190.
35. **Konstantinovskaya Ye.A.** 1989. Exotic sedimentary breccias in the Ozernoy Peninsula (Eastern Kamchatka) and its tectonic significance. *Geotectonics*. 5: 93-98.
36. Zinkevich V.P., **Konstantinovskaya Ye.A.**, Tsukanov N.V. 1989. Nappes in the tectonic structure of the North Valaginsky Ridge. *Pacific Geology*. 3: 62-71.
37. Zinkevich V.P., **Konstantinovskaya Ye.A.**, Magakyan R.G., Bragina L.G. 1988. Tectonics of the Ozernoy Peninsula (Eastern Kamchatka). In: *Essay of the geology of Kamchatka and Koryak Upland*. Moscow. Nauka. P. 87-102. (in Russian).
38. **Konstantinovskaya Ye.A.** 1987. New geological and tectonic data in the Ozernoy Peninsula (Eastern Kamchatka). *Aspects of the regional geology of the USSR*. P. 22-24. (in Russian).
39. **Konstantinovskaya Ye.A.** 1987. The Cretaceous lithological units in the tectonic structure of the North Valaginsky Ridge (Eastern Kamchatka). In: *Essay of the geology of the North-Western section of the Pacific tectonic belt*. Moscow. Nauka. P.140-160. (in Russian).

ABSTRACTS

1. Bahramiyarahmadi, A., **Konstantinovskaya, E.**, 2020. 1D Geomechanical modeling of the Devonian Duvernay formation and overlying sedimentary succession in the Fox Creek area, Alberta, Canada. GSA Oct 26-30, 2020. Virtual Event.
2. Azuara Gonzalez, C. E., **Konstantinovskaya, E.**, 2020. Seismic velocity determination by using stratigraphic emphasis to predict pore pressure distribution in the Devonian Duvernay Formation in the Fox Creek area, Alberta, Canada. GSA Oct 26-30, 2020. Virtual Event.
3. Becerra Delmoral, R., **Konstantinovskaya, E.**, 2020. Multimineral petrophysical analysis to solve for complex lithologies of unconventional reservoirs: A Case Study from The Duvernay Shale in Alberta, Canada. GSA Oct 26-30, 2020. Virtual Event.
4. **Konstantinovskaya, E.**, Li, Q., Zhmodik, A., Ibelegbu, C., Schultz, R., Shipman, T., 2020. Shear slip fault reactivation and induced seismicity associated with hydraulic fracturing in the Duvernay Formation, Fox Creek area, Alberta: insights from 3D reservoir geomechanical modeling. GSA Oct 26-30, 2020. Virtual Event.

5. Ren, Q., Jin, Q., Feng, J., Johnston, S., **Konstantinovskaya, E.**, 2020. Development characteristic and main controlling factors of the Ordovician karst caves in Liuhuanggou, Keping Area, 2020. GSA Oct 26-30, 2020. Virtual Event.
6. **Konstantinovskaya, E.**, Li, Q., Rivero, J. A., Faskhoodi, M. M., Campbell, B., 2020. The potential fault instability induced by pore pressure changes under the strike-slip regime: implications from 3D coupled reservoir geomechanical modeling. AAPG ACE 2020, September 29-October 1, 2020. Online and On Demand Event.
7. **Konstantinovskaya, E.**, Bahramiyarahmadi, A., 2020. Fracture systems in the Perdrix Formation and Devonian carbonates, Roche Miette, Jasper National Park: evidences of thrust-related deformation and implications for fluid migration. GeoConvention2020, September 21-23, 2020, Virtual Event
8. **Konstantinovskaya, E.**, Bahramiyarahmadi, A., 2020. 3D Seismic interpretation of the ToC2ME seismic volume: implications for localization of induced microseismicity in the Fox Creek area. GeoConvention2020, September 21-23, 2020, Virtual Event.
9. Rivard, C., Lavoie, D., **Konstantinovskaya, E.**, et al., 2020. Overview of a project aiming to assess environmental impacts of oil and gas activities in the Fox Creek area (AB). GeoConvention2020, September 21-23, 2020, Virtual Event.
10. **Konstantinovskaya, E.**, Li, Q., Rivero, J. A., Faskhoodi, M. M., Campbell, B., 2019. The potential fault instability induced by pore pressure changes under the strike-slip regime: case study of 3D coupled reservoir geomechanical modeling in the St. Lawrence Lowlands, Quebec. GAC-MAC-IAH Quebec 2019, Quebec City, Canada.
11. **Konstantinovskaya, E.**, Ivanov, G., Feybesse, J.L., and Lescuyer, J.L., 2019. New structural features of Central Labrador Trough and evolutionary model of an accretionary wedge under oblique shortening. GAC-MAC-IAH Quebec 2019, Quebec City, Canada.
12. Ourishian, L., **Konstantinovskaya, E.**, Harris, N.B., 2018. Vertical Anisotropy of the Lower Jurassic Gordondale Shales (Alberta) and Geomechanical Modeling for Optimization of Hydraulic Fracturing. GeoConvention 2018, Calgary, Canada
13. **Konstantinovskaya, E.**, Malavieille, J., 2017. Deformation of forearc basin during oblique arc-continent collision in Taiwan: insights from 3D sandbox modeling. Canadian Tectonic Group (CTG) Annual meeting, Kelowna, Canada
14. Bédard, K., Raymond, J., Malo, M., **Konstantinovskaya, E.**, Minea, V., 2014. St. Lawrence Lowlands bottom-hole temperatures: various correction methods. 38th GRC Annual Meeting, 28 September to 1er October 2014. Portland, Oregon (USA).
15. **Konstantinovskaya, E.**, Rutqvist, J., Malo, M., 2013. Fault stability and CO₂ storage in the Early Paleozoic sedimentary basin of the St. Lawrence Lowlands (Quebec, Canada): insight from coupled reservoir-geomechanical modeling. AGU Fall Meeting, 9-13 December 2013, San-Francisco, CA, U.S. Abstract. <http://grrebs.ete.inrs.ca/publications/presentations/>
16. **Konstantinovskaya, E.**, Rutqvist, J., Malo, M., 2013. CO₂ injection and induced fault instability and seismicity in the sedimentary basin of the St. Lawrence lowlands (Quebec, Canada): insight from coupled reservoir-geomechanical modeling. CTG Annual Meeting, 14 October 2013, Victoria, BC, Canada. Abstract. <http://grrebs.ete.inrs.ca/publications/presentations/>
17. **Konstantinovskaya, E.**, Rutqvist, J., Malo, M., 2013. Influence of CO₂ injection on fault stability and induced seismicity in the Early Paleozoic sedimentary basin of the St. Lawrence Lowlands (Quebec, Canada): Insight from coupled reservoir-geomechanical modeling. Eastern Section Seismological Society of America (SSA) 2013, 6-8 October 2013, Charlevoix, QC, Canada, Abstract. <http://grrebs.ete.inrs.ca/publications/presentations/>
18. **Konstantinovskaya, E.**, Rutqvist, J., Malo, M., Comeau, F.-A., Claprood, M., 2013. Aspects géomécaniques de la séquestration géologique du CO₂ dans les aquifères salins des Basses-Terres du Saint-Laurent. ACFAS 2013, Québec, 9 mai 2013, 5ème Colloque de la Chaire sur la séquestration géologique du CO₂.
19. Claprood, M., Gloaguen, E., Giroux, B., Duchesne, M., **Konstantinovskaya, E.**, Malo, M. 2013. L'intégration de données de sismique-réflexion par des méthodes géostatistiques pour la séquestration géologique du CO₂

- dans les Basses-Terres du Saint-Laurent. ACFAS 2013, Québec, 9 mai 2013, 5^{ème} Colloque de la Chaire sur la séquestration géologique du CO₂. <http://grrebs.ete.inrs.ca/publications/presentations/>
20. Comeau, F.-A., Malo, M., Giroux, B., Lefebvre R., Gloaguen, E., Tassé, N., **Konstantinovskaya, E.**, Tran Ngoc, T.D., Bédard, K., Claprood, M., Diedro, F., Aznar, J-C., Moutenet J-P., 2013. Research Chair on CO₂ geological sequestration in Québec, Eastern Canada - Results after four years of research. 2nd Int. Chairs Seminar on Carbon Capture, Transport and Storage. Paris et Le Havre, 25 au 27 mars 2013. <http://grrebs.ete.inrs.ca/publications/presentations/>
 21. **Konstantinovskaya E.**, Malo M., Badina F. 2012. Geometry and differential emplacement of duplexes in the Joly – St. Flavien gas storage area, southern Quebec Appalachians: Implications for the reservoir lateral continuity. QOGA 2012 Annual meeting, 21-23 October 2012, Montreal, Canada. <http://grrebs.ete.inrs.ca/publications/presentations/>
 22. **Konstantinovskaya E.**, Malo M., Badina F. 2012. Geometry and differential emplacement of duplexes in the Joly – St. Flavien gas storage area, southern Quebec Appalachians: Implications for the reservoir lateral continuity. CTG 2012 Annual meeting, 26-28 October 2012, Ottawa, Canada
 23. Malo, M., Claprood, M., Duchesne, M., Giroux, B., Gloaguen, E., Lefebvre, R., **Konstantinovskaya E.**, Tran Ngoc T.D., Site characterization of a deep saline aquifer in the Paleozoic St. Lawrence platform, Province of Québec, Canada. 34th International Geological Congress, 5-10 August 2012, Brisbane, Australia.
 24. **Konstantinovskaya, E.**, Malo, M., Claprood, M., Tran-Ngoc, T.D., Gloaguen, E., Lefebvre, R. 2012. Structural, petrophysical and geomechanical characterization of the Bécancour CO₂ storage pilot site (Quebec, Canada). Geophysical Research Abstracts, Vol. 14, EGU2012-9486, 2012, EGU General Assembly 2012. <http://grrebs.ete.inrs.ca/publications/presentations/>
 25. Tran Ngoc, T. D., **Konstantinovskaya, E.**, Lefebvre, R., Malo, M., 2011. Characterization of deep saline aquifers for CO₂ storage capacity assessment, Bécancour area, Québec, Canada. AGU Fall Meeting, San Francisco, U.S.A., 5-9 December 2011.
 26. **Konstantinovskaya E.**, Malo M., Castillo D.A. 2011. Present-day stress magnitudes and rock strengths in the St. Lawrence Lowlands: implications for CO₂ injection. APGQ/QOGA Meeting, Montreal, QC, Canada, Oct 2011. <http://grrebs.ete.inrs.ca/publications/presentations/>
 27. Tran Ngoc, T. D., **Konstantinovskaya, E.**, Lefebvre, R., Malo, M., Massé, L. 2011. Geotechnical characterization of deep saline aquifers for CO₂ geological storage in the Bécancour region, Québec, Canada. International conference GEOTEC HANOI 2011, "Geotechnics for Sustainable Development", Phung D. L. (Ed.), Construction Publishing House, Ha Noi, 623 – 632.
 28. **Konstantinovskaya E.**, Malo M., Castillo D.A. 2011. Present-day stress analysis in the St. Lawrence Lowlands from borehole breakouts and implications for CO₂ injection. GeoConvention Recovery 2011 Conference, Calgary, Canada, May 9-13, 2011, Abstract, 4 p. <http://grrebs.ete.inrs.ca/publications/presentations/>
 29. Tran Ngoc, T. D., **Konstantinovskaya, E.**, Lefebvre, R., Malo, M. 2011. Characterization of deep saline aquifers for CO₂ storage capacity assessment, Bécancour area, Québec, Canada. AGU Fall Meeting 2011. San Francisco, Californie (USA), 5 au 9 décembre 2011.
 30. Matton, G., Rheault, M., **Konstantinovskaya, E.**, Malo, M., 2011. Carte structurale des Basses-Terres du Saint-Laurent proposée par la télédétection et la géophysique. Congrès annuel de l'Association pétrolière et gazière du Québec. Montréal, 24 au 25 octobre 2011. <http://grrebs.ete.inrs.ca/publications/presentations/>
 31. Claprood, M., Gloaguen, E., Giroux, B., Duchesne, M., **Konstantinovskaya, E.**, Malo, M. 2011. Combining borehole logs and 2D post-stack seismic profiles by kriging with external drift to build a 3D geological model for CO₂ storage in the Bécancour area, Québec, Canada. SEG-SRW 2011 Summer Research Workshop: Inverting the Reservoir. Québec, 26 au 30 juin 2011. <http://grrebs.ete.inrs.ca/publications/presentations/>
 32. Tran Ngoc T. D., **Konstantinovskaya E.**, Lefebvre R., Malo M., Massé L., 2011. Characterization of deep saline aquifers for CO₂ storage in the Bécancour region (Québec). 10th Annual Conference on Carbon Capture and Sequestration, May 2-5, 2011 Pittsburgh, Pennsylvania, USA. Abstract. <http://grrebs.ete.inrs.ca/publications/presentations/>
 33. **Konstantinovskaya, E.**, Malo, M., St-Pierre B., and Matton, G., 2010. Present-day stress analysis in the St. Lawrence Lowlands from borehole breakouts and geological implications, APGQ/QOGA Meeting, Montreal, QC, Canada, Oct 2010. <http://grrebs.ete.inrs.ca/publications/presentations/>

34. **Konstantinovskaya, E.**, Rodriguez, D., Kirkwood, D., Harris, L.B., Thériault, R., 2010. Triangle zones in accretionary wedges: examples from the Québec Appalachians and physical modeling. Congrès annuel de l'Association pétrolière et gazière du Québec. Montréal, 25 au 26 octobre 2010. . <http://grrebs.ete.inrs.ca/publications/presentations/>
35. **Konstantinovskaya, E.A.**, Claprod, M., Duchesne, M., Malo, M., Bédard, K., Giroux, B., Massé, L., and Marcil, J.-S., 2010, Preliminary geological and geophysical study of a potential CO₂ storage site in deep saline aquifers of the Bécancour area, St. Lawrence Lowlands, Québec: GeoCanada 2010 Conference, Working with the Earth, Calgary, Canada, May 10-14, 4 p. . <http://grrebs.ete.inrs.ca/publications/presentations/>
36. Claprod, M., **Konstantinovskaya, E.**, Duchesne, M., Giroux, B., Gloaguen E., Malo, M., Massé, L., Lavoie, J. 2010. Characterization of the petrophysical properties of deep saline aquifers for CO₂ storage in the Bécancour area, Québec, Canada. 3rd Joint CMOS-CGU Congress, Our Earth, Our Air, Our Water, Our Future. Ottawa, May 31- June 4, 2010. Abstract. <http://grrebs.ete.inrs.ca/publications/presentations/>
37. Claprod, M., **Konstantinovskaya, E.**, Bédard, K., Duchesne, M., Giroux, B., Gloaguen, E., Malo, M., 2010. Construction d'un premier modèle 3D des unités stratigraphiques des Basses-Terres du Saint-Laurent à Bécancour, Québec. Congrès annuel de l'Association pétrolière et gazière du Québec. Montréal, 25 au 26 octobre 2010. <http://grrebs.ete.inrs.ca/publications/presentations/>
38. Claprod, M., **Konstantinovskaya, E.**, Duchesne, M., Giroux, B., Gloaguen E., Malo, M., Massé, L., and Lavoie, J., 2010, Joint sonic log-2D seismic analysis to model the petro-physical properties of aquifers for CO₂ storage in the Bécancour area, Québec, Canada. GeoCanada 2010 Conference, Working with the Earth, Calgary, Canada, May 10-14, 4 p. <http://grrebs.ete.inrs.ca/publications/presentations/>
39. Bédard K., Malo M., Duchaine Y., **Konstantinovskaya E.**, Giroux B., 2010. Potential CO₂ geological storage sites for Carbon Capture and Storage (CCS) in Québec St. Lawrence Lowlands - A preliminary analysis. GeoCanada 2010 Conference, Working with the Earth, Calgary, Canada, May 10-14, 2010, 4 p. <http://grrebs.ete.inrs.ca/publications/presentations/>
40. Bédard, K., Malo, M., Duchaine, Y., **Konstantinovskaya, E.**, Giroux, B., 2010. Potential CO₂ geological storage sites for carbon capture and storage (CCS) in Québec St. Lawrence Lowlands – A preliminary analysis. GeoCanada 2010 – Working with the Earth. Calgary, 10 au 14 mai 2010. <http://grrebs.ete.inrs.ca/publications/presentations/>
41. Malavieille, J., C-Y. Lu, K-J. Chang, **E. Konstantinovskaya**, C. Bonnet, J. Mosar, S. Dominguez, F. Graveleau, 2008. Impact of surface processes on the dynamics of orogenic wedges: analogue models and case studies. GEOMOD Meeting, 22-24 September 2008, Villa la Pietra, Firenze, Italy. Bolletino di Geofisica teorica ed applicata, Vol. 49, N. 2 supplement, p. 541. GeoMod 2008 Third International Geomodelling Conference. Guest Editor: Giacomo Corti. p. 238-242.
42. Lu, C-Y., J. Malavieille, K-J. Chang, Y. Chan, **E. Konstantinovskaya**, 2008. Interactions between tectonics and surface processes in Taiwan: insights from sandbox experiments. GEOMOD Meeting, 22-24 September 2008, Villa la Pietra, Firenze, Italy. Bolletino di Geofisica teorica ed applicata, Vol. 49, N. 2 supplement, pp. 541. GeoMod 2008 Third International Geomodelling Conference. Guest Editor: Giacomo Corti. p. 466-470.
43. **Konstantinovskaya E.A.**, D. Rodriguez, D. Kirkwood, L.B. Harris, and R. Thériault. 2008. Effects of basement structure, sedimentation and erosion on thrust wedge geometry: an example from the Quebec Appalachians and analogue models. GAC-MAC Annual Meeting 2008 (Quebec City, QC, Canada, 26-28 May 2008). Abstracts CD.
44. Poulin, J., Harris, L.B., **Konstantinovskaya, E.A.**, and Long, B., 2008. Visualization of progressive deformation in silicone-modelling clay models using X-Ray computed tomography. GAC-MAC Annual Meeting 2008 (Quebec City, QC, Canada, 26-28 May 2008). Abstracts CD.
45. Carlier, B., Harris, L.B., Handschuh, A., **Konstantinovskaya, E.** and Poulin, J., 2008. “4D” evolution of diapir-related structures during rifting: gOcad reconstructions of centrifuge models from serial CT scans. GAC-MAC Annual Meeting 2008 (Quebec City, QC, Canada, 26-28 May 2008). Abstracts CD.
46. Harris, L.B., Johnson, E.L., Lessard-Fontaine, A., Thomas, N., Carlier, B., **Konstantinovskaya, E.A.**, Handschuh, A. and Poulin, J., 2008. Centrifuge modelling of folding during rifting and post-orogenic collapse. GAC-MAC Annual Meeting 2008 (Quebec City, QC, Canada, 26-28 May 2008). Abstracts CD.

47. **Konstantinovskaya E.A.**, D. Rodriguez, D. Kirkwood, L.B. Harris, and R. Theriault. 2008. Effects of basement structure, sedimentation and erosion on thrust wedge geometry: an example from the Quebec Appalachians and analogue models. Back to Exploration, 2008 CSPG, CSEG, CWLS Convention. Calgary, Alberta, Canada, 12-15 May 2008. Abstract CD, pp. 441-444.
48. Harris L.B., B. Carlier, A. Lessard-Fontaine, **E.A. Konstantinovskaya**, J. Poulin, A. Handschuh. 2008. Centrifuge simulations of the interaction between folding, faulting and diapirism during regional extension. Back to Exploration, 2008 CSPG, CSEG, CWLS Convention. Calgary, Alberta, Canada, 12-15 May 2008. Abstract CD.
49. Malavieille, J., C. Bonnet, **E. Konstantinovskaya**, S. Dominguez, C-Y. Lu, K-J. Chang, 2008. Impact of surface processes on the dynamics of orogenic wedges: insights from analog models and case studies. 22ème Réunion des Sciences de la Terre, Nancy - 21-24 Avril 2008.
50. **Konstantinovskaya E.A.**, L.B. Harris, J. Poulin, G.M. Ivanov. 2007. Transfer zones and fault reactivation in inverted rift basins: Insights from physical modeling and implication for exploration. Quebec Exploration 2007 (Quebec City, Canada, 26-29 November 2007). Abstracts. p.117.
51. Harris L. B., Johnson E. L. Lessard-Fontaine A., Thomas N., Carlier B., **Konstantinovskaya E. A.**, Poulin J. 2007. Dynamic centrifuge modelling of folding in extensional regimes - Applications to the interpretation of structures during exploration in sedimentary basins and gneiss and greenstone belts. Quebec Exploration 2007 (Quebec City, Canada, 26-29 November 2007). Abstracts. p. 118.
52. **Konstantinovskaya E. A.** 2007. Deformation of margin and fore-arc basin induced by arc–continent collision: Insights from Kamchatka, Taiwan and physical modeling data. 27th Canadian Tectonic Group Workshop. 13-14 October 2007, Matawin, Quebec, Canada. Abstract volume. pp. 15-16.
53. Harris L. B., Johnson E. L. Lessard-Fontaine A., Thomas N., Carlier B., **Konstantinovskaya E. A.**, Poulin J. 2007. Folding in extensional regimes: application of dynamic modeling to the interpretation of structures during exploration in sedimentary basins and gneiss and greenstone belts. 27th Canadian Tectonic Group Workshop. 13-14 October 2007, Matawin, Quebec, Canada. Abstract volume. pp. 14.
54. Malavieille, J., Bonnet, C., **Konstantinovskaia, E.**, Dominguez, S., Lu, C-Y., Chang, K-J., 2007. Impact of surface processes on the dynamics of orogenic wedges: insights from analogue models. Symposium on the honor of Florian K. Lehner "Fluid-assisted rock deformation and tectonics ". April 12th-13th 2007, ENS Paris, France.
55. **Konstantinovskaya, E.A.**, Harris, L.B., Poulin, J., Ivanov, G.M., Fournier, T., 2007. Effects of basement discontinuities on the evolution of inversion structures at orogenic fronts: implications from physical modelling. XL Tectonic Congress (30 January - 2 February, 2007, Moscow, Russia). Abstracts. M.: GEOS. p. 336-339 (in Russian).
56. Poulin, J., **Konstantinovskaya, E.**, Harris, L.B., 2006. From medicine to geology – Visualization of physical models using computed tomography. Quebec Exploration 2006 (Quebec city, Canada, 20-23 November 2006). Abstracts Volume, N171, p.37 (fr), p.103 (eng).
57. Harris, L. B., **Konstantinovskaya, E. A.**, Johnson, E. L., Poulin, J., Ivanov, G., and Fournier, T., 2006. The new laboratory for physical simulations at INRS-ETE – applications to mineral and petroleum exploration. Quebec Exploration 2006 (Quebec City, Canada, 20-23 November 2006). Abstracts Volume, N177, p.40-41 (fr), p.106 (eng).
58. **Konstantinovskaya E.**, J. Malavieille. 2006. Impact of erosion on dynamics, internal structure and exhumation in accretionary wedges: insights from analogue modeling. Canadian Tectonic Group, 26th Annual Meeting, Crowsnest Pass, Alberta, 14-15 October 2006. Abstract volume, p. 9.
59. **Konstantinovskaya E.**, Harris L.B., Poulin, J., and Ivanov G. 2006. Formation of structures at high angles to orogenic fronts in fold and thrust belts due to the influence of basement discontinuities: implications from physical modelling. GAC-MAC Annual Meeting 2006 (Montreal, Canada, 14-17 May 2006). Abstracts Volume 31. p. 79.
60. Poulin J., **Konstantinovskaya E.**, Harris. L. 2006. Développement de méthodes et de techniques afin d'utiliser la tomodesitométrie en appui la modélisation physique appliqué, la géologie structurale et la géomécanique. (Journée des Sciences de la Terre et de l'Environnement, Québec, Canada, 21 Avril 2006) Geoscope. 2006. Vol. 7. N6b. p. 13.

61. **Konstantinovskaya E.** Malavieille J. 2006. L'impact de l'érosion sur la dynamique, la structure intérieure et l'exhumation dans les prismes d'accrétion : implications en modélisation analogique. (Journée des Sciences de la Terre et de l'Environnement, Québec, Canada, 21 Avril 2006) Geoscope. 2006. Vol. 7. N6b. p. 10-11.
62. **Konstantinovskaya E.,** J. Malavieille. 2006. Impact of erosion on dynamics, internal structure and exhumation in accretionary wedges: insights from analogue modeling. EGU General Assembly 2006 (Vienna, Austria, 02 – 07 April 2006). SRef-ID: 1607-7962/gra/EGU06-A-02421. Geophysical Research Abstracts, Vol. 8, 02421.
63. J. Malavieille, C-Y. Lu, K-J. Chang, **E. Konstantinovskaia**, S. Dominguez, and S. Lallemand. 2006. Tectonic evolution of the Taiwan orogenic wedge. EGU General Assembly 2006 (Vienna, Austria, 02 – 07 April 2006). SRef-ID: 1607-7962/gra/EGU06-A-02735. Geophysical Research Abstracts, Vol. 8, 02735, 2006
64. **Konstantinovskaya E.** 2005. Analogue modeling in tectonic research: approaches at crustal and lithospheric scales. Québec Exploration 2005 (Québec city, Canada, 21-24 November 2005). Abstracts Volume, N122, p.37 (fr), p.97 (eng).
65. **Konstantinovskaia E.** and J. Malavieille. 2005. Tectonics of accretionary orogens: erosion and exhumation. XXXVI Tectonic Congress (February, 2005, Moscow, Russia). Abstracts. M.: GEOS. Vol. 1, pp. 313-316 (in Russian).
66. **Konstantinovskaya E.** 2004. Collision and Extension at Continental Margins: Example of the Sea of Okhotsk. AGU Fall Meeting (San-Francisco, USA, 13-18 February 2004). Abstracts. Eos, Transactions, AGU. Abs. N.7905.
67. **Konstantinovskaia E.** and J. Malavieille. 2004. Erosion and Exhumation in Accretionary Orogens: Experimental and Geological Approaches. 32nd Int. Geol. Congr. (20-28 August 2004, Florence, Italy). Abstract Volume P2 (272-7) p.1218.
68. **Konstantinovskaya E.A.** and Malavieille J. 2004. Erosion and Exhumation in Accretionary Orogens: Experimental and Geological Approaches. GeoMod 2004 "From Mountains to Sedimentary Basins: Modeling and Testing Geological Processes" (Emmetten - Lake Lucerne, Switzerland, 9-11 June 2004). Abstract volume.
69. **Konstantinovskaia E.A.,** A. Gorbatov, G.M. Ivanov. 2003. Remnant Subduction Zone in the Sea of Okhotsk: Geological and Geophysical Evidences. EGS-AGU-EUG Joint Assembly (May 2003, Nice, France). CD ROM.
70. **Konstantinovskaia E.A.,** A. Gorbatov, G.M. Ivanov. 2003. Remnant Subduction Zone in the Sea of Okhotsk: Geological and Geophysical Evidences. XXXVI Tectonic Congress (February, 2003, Moscow, Russia). Abstracts. M.: GEOS. Vol. 1, pp. 278-282 (In Russian).
71. **Konstantinovskaia E.A.,** A. Gorbatov, G.M. Ivanov. 2003. Remnant Subduction Zone in the Sea of Okhotsk: Geological and Geophysical Evidences. 10th Intern. Symposium "Deep seismic profiling of the continents and their margins" (6-10.01.2003, Taupo, New Zealand).
72. **Konstantinovskaia E.A.** 2002. Modeling of accretionary mechanism of continental crust: an example of Western Kamchatka. Intern. Symposium "Structure, Geodynamics and Metalogeny of the Sea of Okhotsk region", (24-28.09.2002. Yuzhno-Sakhalinsk, Sakhalin Island, Russia). P. 73-76.
73. **Konstantinovskaia E.A.** 2002. Model of the marginal sea closure: an example of the South China Sea and Philippine Sea. XXXV Tectonic Congress (Moscow, Russia). Abstracts. M.: GEOS. pp. 254-258. (In Russian)
74. **Konstantinovskaia E.A.** and Bindeman I.N. 2001. Continental margin of Kamchatka Peninsula, Russia: the mode and nature of crustal growth in the accretionary orogen. AGU Fall Meeting (San-Francisco, USA). Eos Trans. AGU, 82(47), Fall Meet. Suppl., Abstracts.
75. **Konstantinovskaia E.A.,** A.V. Gorbatov, G.M. Ivanov. 2001. Tectonic and geodynamic analysis of Southern Kamchatka and Taiwan area. Workshop on Tectonics of the Okhotsk Sea region and Kamchatka. 7th Zonenshain Conference on Plate Tectonics (Moscow, Russia). Abstracts. p. 505-506.
76. **Konstantinovskaya E.A.,** M. Brunel, J. Malavieille. 2001. Discovery of the Upper Paleozoic residual mantle peridotite in the Anyemaqen Suture (Eastern Kunlun, China). 7th Zonenshain Conference on Plate Tectonics (Moscow, Russia). Abstracts p. 317-318.
77. **Konstantinovskaia E.A.** 2001. Tectonics of the eastern margins of Asia: structural evolution and geodynamic modeling. XXXIV Tectonic Congress (Moscow, Russia). Abstracts. M.: GEOS. Vol. 1. pp. 304-307. (In Russian)

78. Brunel, M., Arnaud, N., Malavieille, J., **Konstantinovskaia, E.**, Yang Jingsui, Xu Zhiqin, and Tapponnier, P., 2000. South Kunlun Paleozoic margin and oceanic remnants in the Anyemaqen suture. International Symposium on Geoscience of the Northern Qinghai-Tibet Plateau, Beijing, China, p. 6-7.
79. **Konstantinovskaia E.A.** 2000. Arc-Continent Collision and Subduction Reversal in the Western Pacific: An Example from Kamchatka (NE Russia) and its recent analogies. 31st IGC (Rio de Janeiro, Brazil). Abstracts.
80. **Konstantinovskaia E.A.** 2000. Collisional orogen of Kamchatka: Tectonic and metamorphic processes related to the Eocene arc-continent collision. EGS 25th General Assembly (Nice, France). Geophysical Research Abstracts, vol. 2.
81. **Konstantinovskaia E.A.** 2000. Arc – continent collision and subduction reversal: an example of Kamchatka orogen and experimental modeling. XXXIII Tectonic Congress (Moscow, Russia). Abstracts. M.: GEOS. pp. 221-224. (In Russian)
82. **Konstantinovskaia E.A.** 1999. Arc-Continent Collision and subduction reversal in the Cenozoic evolution of the Northwest Pacific: An example from the Kamchatka (NE Russia). AGU Fall Meeting (San-Francisco, USA). Abstracts. Eos, Transactions, AGU Vol. 80. N. 46. pp. F946-F947.
83. **Konstantinovskaia E.A.** 1999. Early Eocene Arc-Continent Collision and subduction reversal reconstructed from the Kamchatka orogenic belt (NE Russia). SEASIA Conference (Montpellier, France). Memoires Geosciences. pp. 221-225.
84. **Konstantinovskaia E.A.** 1999. Geodynamics of the Early Eocene Arc-Continent Collision reconstructed from the Kamchatka orogenic belt (NE Russia). EUG10 (Strasbourg, France). Terra Abstracts. Vol. 11. Journal of Conference Abstracts. 4(1). pp. 395-396.
85. **Konstantinovskaia E.A.** 1999. The role of the continental margin structure for geodynamics of the arc-continent collision. XXXII Tectonic Congress (Moscow, Russia). Abstracts. M.: GEOS. Vol. 1. pp. 315-318. (In Russian)
86. **Konstantinovskaia E.A.** 1998. Early Eocene Arc-Continent Collision and Subduction Inversion Reconstructed From Kamchatka (NE of Asia). 1998WPGM (Taipei, Taiwan). Abstracts: Eos, Transactions. Vol. 16. pp. W76.
87. **Konstantinovskaia E.A.**, Brunel M., Malavieille J. 1998. The microstructural and geochemical evidences of the slow-spreading rift environments controlling tectono-magmatic evolution of the Upper Paleozoic peridotite from Anyemaqen ophiolite suture zone (Tibet). EGS XXIII General Assembly (Nice, France). Annales Geophysicae, Vol.16.
88. **Konstantinovskaia E.A.** 1997. Accretion of Mesozoic Oceanic terranes of Taigonos Peninsula (Okhotsk sea, North-East of Russia). EUG9. (Strasbourg, France). Terra Abstracts. Vol. 9. N.1. pp. 385.
89. **Konstantinovskaya E.A.** 1996. Upper Cretaceous back-arc and island arc sediments in Central Kamchatka, Russia. 30th IGC (Beijing, China). Abstracts. Vol. 2: pp. 189.
90. **Konstantinovskaya E.A.** 1992. Upper Cretaceous back-arc complexes and tectonic-structural relationships in Central Kamchatka, 29th IGC. (Kyoto, Japan). Abstracts Vol. 2/3: pp. 335.
91. Zinkevich V.P., **Konstantinovskaya E.A.**, Magakyan R.G. et al. 1990. Mesozoic Cenozoic accretion in the tectonic evolution of the Koryak-Kamchatka region. In: Tectonics and Metalogeny of the North-East URSS. (Magadan, USSR). Abstracts. pp. 82-85. (in Russian).
92. **Konstantinovskaya E.A.** 1990: The Upper Cretaceous - Lower Paleocene units in the Eastern Ridges of Kamchatka and its significance for paleotectonic reconstruction. In: Geological formations for paleotectonic and paleogeodynamic reconstruction. (Moscow, USSR). Abstracts. pp. 20-22. (in Russian).
93. Zinkevich V.P., Kasimirov A.D., **Konstantinovskaya E.A.** et al. 1988: Composition and structural position of the Upper Cretaceous island arc and oceanic complexes in the South of Koryak region and Eastern Kamchatka. Lithological Conference (Yerevan, USSR). Abstracts. pp. 15-17. (in Russian).

REPORTS

1. **Konstantinovskaya, E.**, Laskin P., 2015. Wellbore stability analysis and plane of weakness modeling in shales, Orenburg Oil-Gas Condensate Field. InTouch report 6763630

2. **Konstantinovskaya, E.**, 2015. Gazprom Neft Orenburg: Wellbore stability model for 5 planned wells in the area of wells 1049-3243, Eastern segment of the Orenburg OGC Field. Part III, 1D MEM-WBS for 4 planned wells. 62 p.
3. **Konstantinovskaya, E.**, 2015. Gazprom Neft Orenburg: Wellbore stability model for 5 planned wells in the area of wells 1049-3243, Eastern segment of the Orenburg OGC Field. Part I Data audit, Part II, 1D MEM-WBS for planned well 1383H and 6 offset wells. 89 p.
4. **Konstantinovskaya, E.**, Grachev, O., Petrakov, Yu., Sobolev, A., Mikhaltseva, I., Ereemeev, A., 2015. 3D Geomechanics modeling and shale anisotropy for wellbore stability and horizontal well optimization for Ritek, Middle Nazym field, Western Siberia, Russia. InTouch report 6690025
5. **Konstantinovskaya, E.**, Grachev, O., 2014. Ritek-Lukoil: 3D geomechanics modeling in the area of wells 100H-101H, Middle Nazym Field. 106 p.
6. **Konstantinovskaya, E.**, Malo, M., 2013. Aspects géomécaniques du stockage du CO₂ dans les aquifères salins profonds des Basses-Terres du Saint-Laurent. Chapter in final report of Research Chair for CO₂ geological storage.
7. **Konstantinovskaya, E.**, Malo, M., 2013. Les réservoirs contenus dans les carbonates ordoviciens au sein des écaillés tectoniques du domaine parautochtone des Appalaches du Québec Chapter in final report of Research Chair for CO₂ geological storage.
8. **E. Konstantinovskaya, M. Malo.** 2012. Géométrie et séquence de mise en place des duplex dans la région du stockage de gaz naturel de Joly – Saint-Flavien : implication sur la continuité latérale du réservoir de Saint-Flavien. Rapport R-1394 INRSCO2-2012-V2.12, 50 p. <http://grrebs.ete.inrs.ca/publications/rapports/>
9. **Konstantinovskaya E.**, 2011. Les aspects de la géologie structurale de la zone des effondrements de terrain de Notre-Dame-des-Laurentides. Report for Ministère des Transports du Québec. 41 p. (in French)
10. **E. Konstantinovskaya, M. Malo.** 2011. Analyse structurale de la fracturation du réservoir d'Haldimand, Gaspésie. Report for Pétrolia and Québénergie. 42 p (in French).
11. Tran Ngoc, T.-D., **Konstantinovskaya, E.**, Lefebvre, R., Malo., M., 2011. Caractérisation hydrogéologique et pétrophysique des aquifères salins profonds de la région de Bécancour pour leur potentiel de séquestration géologique du CO₂. INRS, Report INRSCO2-2011-V2.10. <http://grrebs.ete.inrs.ca/publications/rapports/>
12. Claprod, M., Giroux, B., Gloaguen E., Duchesne, M., **Konstantinovskaya, E.**, Malo, M., 2011. Modèle géologique des aquifères salins profonds de la région de Bécancour pour la séquestration du CO₂. INRS-ETE, Rapport R1322 INRSCO2-2011-V2-11. 20 p. (in French) <http://grrebs.ete.inrs.ca/publications/rapports/>
13. **Konstantinovskaya, E.** et Malo, M. 2011. Stress actuel dans les Basses-Terres du Saint-Laurent à partir des élongations de puits : Implications pour le stockage du CO₂, INRS-ETE, R1267, INRSCO2-2011-V2.5, 32 p. (in French) <http://grrebs.ete.inrs.ca/publications/rapports/>
14. **Konstantinovskaya, E.**, Tran, N.T.D., Lefebvre, R. et Malo, M. 2011. Le potentiel de stockage expérimental du CO₂ dans les aquifères salins profonds de Bécancour : Partie II : Évaluation de la porosité effective et de l'épaisseur productive nette, INRS-ETE, Rapport R1266 INRSCO2-2011-V2.4, 49 p. (in French) <http://grrebs.ete.inrs.ca/publications/rapports/>
15. Ivanov, G., **Konstantinovskaya, E.**, Simard, P., 2010 a. Compte-rendu des travaux d'exploration. Projet Minowean 2009 - Partie centrale de la Fosse du Labrador, Québec, Canada. Rapport d'AREVA QUEBEC INC., Ministère des Ressources naturelles, de la Faune, Québec, 98 pages. (in French)
16. Ivanov, G., **Konstantinovskaya, E.**, 2010 b. Travaux de reconnaissance géologique. Projet Du Portage 2008 - À l'Est du lac Du Portage, Fosse du Labrador, Québec, Canada. Rapport d'AREVA QUEBEC INC., Ministère des Ressources naturelles, de la Faune, Québec, 87 pages. (in French)
17. Ivanov, G., **Konstantinovskaya, E.**, Huon, S., 2010 c. Compte-rendu des travaux d'exploration. Projet Du Chambon 2008 - Vallée de la rivière Romanet, Fosse du Labrador, Québec, Canada. Rapport d'AREVA QUEBEC INC., Ministère des Ressources naturelles, de la Faune, Québec, 88 pages. (in French)
18. **Konstantinovskaya E.** et Malo, M., 2010a. Analyse pétrophysique des carottes du puits Junex Bécancour No. 9 (A262) et corrélations régionales des diagraphies et de la lithologie. Rapport INRSCO2-2010-VC2.3. 98 p. (in French) <http://grrebs.ete.inrs.ca/publications/rapports/>

19. **Konstantinovskaya E.**, et Malo, M., 2010b. Lithostratigraphie et structure des Basses-Terres du Saint-Laurent dans les régions de Joliette, de Trois-Rivières et de Nicolet (Étude de terrain). Rapport INRSCO2-2010-VC2.2, 78 p. (in French) <http://grrebs.ete.inrs.ca/publications/rapports/>
20. **Konstantinovskaya E.**, Claproud M, Duchesne M., B. Giroux, Malo M., Lefebvre R., 2010. Le potentiel de stockage de CO₂ expérimental dans les aquifères salins profonds de Bécancour : Partie I, Analyse des diagraphies et des profils sismiques. Rapport INRSCO2-2010-VC2.1, 59 p. (in French) <http://grrebs.ete.inrs.ca/publications/rapports/>
21. **Konstantinovskaya E.** 2008a. Projet Grande Vallée, Appalaches, Gaspésie, Québec, Canada. Contribution en géologie structurale. Orbite V.S.P.A. Inc. 63 p. (in French)
22. **Konstantinovskaya E.** 2008b. Projets Minowean – Portage – Du Chambon, Fosse de Labrador, Québec, Canada. Contribution en géologie structurale. Aréva - Québec Inc. 94 p. (in French)
23. **Konstantinovskaya E.** 2008c. Projet Témiscouata, Appalaches, Québec, Canada. Contribution en géologie structurale, lac Témiscouata. Les Mines J.A.G. Ltée. 59 p. (in French)
24. **Konstantinovskaia E.A.** 2004. Country Report of Russian Federation. *In: Proceedings of the 41th CCOP Annual Session* (November 2004, Tsukuba, Japan).
25. **Konstantinovskaia E.A.** 2003. Country Report of Russian Federation. *In: Proceedings of the 40th CCOP Annual Session* (October 2003, Kuala Lumpur, Malaysia).
26. **Konstantinovskaia E.A.** 2002. Country Report of Russian Federation. *In: Proceedings of the 39th CCOP Annual Session* (October 2002, Yodgokarta, Indonesia).
27. **Konstantinovskaia E.A.** 2001. Country Report of Russian Federation. *In: Proceedings of the 38th CCOP Annual Session* (October 2001, Phnom Penh, Cambodia).
28. **Konstantinovskaia E.A.** 2000. Country Report of Russian Federation. *In: Proceedings of the 37th CCOP Annual Session* (October 2000, Bangkok, Thailand).

SCIENTIFIC FILMS

<http://www.youtube.com/ekonst1>

1. **Konstantinovskaya E.** « Je vous explique... » Mémoire d'un voyage avec Pr. M. Mattauer dans la Montagne Noire. 2011
2. **Konstantinovskaia E.**, Ivanov G., Malavieille J., Lu C.-Y. 2002. Continental margins: deformation and seismic activity. (Film of 10 minutes presented at the 8th festival of scientific films CNRS, Nancy, 2003).