



GeoConsulting Inc.

**383 COPPERFIELD GROVE SE
CALGARY, AB, T2Z 4L8**

PHONE: 403 703 7715

EMAIL: DOME.GCI@SHAW.CA



DR. ISTVÁN ALMÁSI

SPECIALTY/SKILLS:

Applied hydrogeology, structural geology

GEOGRAPHIC BASE: Calgary, AB

TYPE OF COMPANY: Limited Liability

RESUMÉ

DR. ISTVÁN ALMÁSI

EDUCATION	M.Sc. Geology / Structural Geology Eötvös Loránd University, Budapest, Hungary Ph.D. Candidate, Structural Geology Eötvös Loránd University, Hungary and Université de Savoie, Chambéry, France Ph.D. Earth and Atmospheric Sciences / Petroleum Hydrogeology University of Alberta, Edmonton, Canada Post-Doctoral Fellow – Hydrogeology York University, Toronto, Canada
PROFESSIONAL QUALIFICATIONS	Registered Professional Geologist, Alberta, Canada Okleveles Geológus, Hungary
PROFESSIONAL SOCIETIES	Member, National Groundwater Association Member, International Association of Hydrogeologists Member, The Association of Professional Engineers, Geologists, and Geophysicists of Alberta (APEGGA)
PRINCIPAL PROFESSIONAL DISTINCTIONS	Best Lecture Award, 1996 – HUNGEO '96, Hungarian Geological Society Keynote-speaker, AAPG Hedberg Research Conference, Banff, 1997 Speaker at Geofluids-I, 2003, Utrecht, and several technical workshops and conferences

**PROFESSIONAL
EXPERIENCE AND
BACKGROUND**

**DOME GEOCONSULTING INC., CALGARY, AB, AUGUST 2012 TO PRESENT
PRESIDENT**

Dr. Almási formed Dome GeoConsulting Inc. and continues to act as President. Dome GCI offers advisory services in the practical and business aspects of applied hydrogeology, with a focus groundwater exploration, water management, construction dewatering, karst hydrogeology investigations, remediation, mine reclamation, water disposal, petroleum exploration and field development. The scope of services includes all phases of projects from feasibility assessments and bid preparation, strategic planning to execution oversight. Dr. Almási is a member of Technical Advisory Panels on mine reclamation in Alberta and the Yukon. Dr. Almási actively mentors technical staff, gives short courses and seminars for industry, and presents papers at conferences.

**SENIOR GEOLOGIST/HYDROGEOLOGIST, SHELL CANADA LIMITED,
CALGARY, APRIL, 2006 – NOV 2011**

- Technical lead/authority on regional and local scale hydrogeology projects in the Technical Services division, supporting heavy oil and gas exploration groups, mine operations on dewatering, depressurization, groundwater management, karst hydrogeology and environmental issues.
- Manager and technical lead of exploration and mine development geology programs, responsible for the planning and execution of exploration and delineation drilling programs of mineable oil sands resources and baseline hydrogeology. Managed exploration and development projects with an aggregate value of over \$120M, reduced exploration costs by 40%, and completed jobs with excellent safety records. Lead a team of 8 direct and over 300 indirect reports.
- Directed and supervised consultants, and reviewed technical reports.
- Mentored and coached staff.
- Liaised with regulatory agencies, as well as stakeholders on development geology and hydrogeology issues related to heavy oil development.

**SENIOR HYDROGEOLOGIST, NORWEST CORPORATION, CALGARY, APRIL,
2005 – DECEMBER, 2005**

- Technical authority and responsible member APEGGA in hydrogeology for Norwest.
- Prepared construction dewatering plans for mining;
- Modelling groundwater flow and salt transport related to production from oil shales in Piceance Basin, US;
- Hydrogeological characterisation of existing and future coal mines in Canada and USA;
- Litigation support for oil and gas production related to conflicts between land use and hydrogeology.

PETROLEUM HYDROGEOLOGY ADVISOR, ENCAN CORPORATION, NEW VENTURES – INTERNATIONAL EXPLORATION, CALGARY, AB CONTRACT WORK – 2005

- Reviewed exploration feasibility study on unconventional petroleum plays;
- Proposed and investigated the feasibility of alternative exploration targets for unconventional petroleum exploration in deep basin shales.

SENIOR HYDROGEOLOGIST, MATRIX SOLUTIONS INC., CALGARY, APRIL, 2001 – MARCH, 2005

- Groundwater supply projects: aquifer characterisation and groundwater resource assessment for applications for industrial and domestic water well licences, including SAGD and mine depressurisation projects in NE-Alberta
- Environmental impact assessment of the effects of mine dewatering on groundwater quality and quantity
- Design, execution and control of construction dewatering projects for large industrial sites
- Technical review of consultant reports
- Technical support and mentoring staff for complex hydrogeological projects including flow modelling, database solutions, development of new analytical methods and data interpretation

POST DOCTORAL FELLOW, YORK UNIVERSITY, TORONTO, SEPTEMBER, 1999 – APRIL, 2001

- Implemented siting concepts in conjunction with AECL and developed siting strategy for nuclear fuel waste disposal using GIS techniques, with emphasis on hydrogeological considerations for the province of Ontario;
- Published and presented results of work at international conferences (co-authored by Dr. Grant Sheng);
- Managed and administered Geomatics lab, Win NT system, provided technical support for students, and presented lectures in Physical Geography

PETROLEUM HYDROGEOLOGIST - RESEARCH ASSOCIATE/CONSULTANT UNIVERSITY OF ALBERTA, EDMONTON, UNDER CONTRACT WITH THE MOL PLC., HUNGARY, JULY, 1995 – AUGUST, 1999

- Prepared an integrated study on the regional hydrogeologic (basin hydraulics and hydrodynamics), geothermal, and hydrochemical conditions in the Pannonian Basin, Eastern Hungary, in the scope of petroleum exploration
- Mapped and interpreted stratigraphic units, hydrostratigraphic units, basin-scale groundwater flow systems, hydrocarbon migration paths, and related structural, geothermal and hydrochemical anomalies
- Identified structural, stratigraphic and hydraulic patterns of petroleum pools and plays in the Pannonian Basin

- Investigated basinal overpressured regime in the context of tectonic evolution of the Pannonian Basin
- Proposed and ranked potential play areas for further exploration (some were proven since by drilling)

TEACHING ASSISTANT, UNIVERSITY OF ALBERTA, EDMONTON, AB SEVEN TERMS BW. SEPTEMBER, 1995 – APRIL, 1999

- Instructed and lectured on a weekly basis first-, second-, and fourth year students in geology, hydrogeology, and petroleum hydrogeology, as well as tutored and evaluated their academic performance

STRUCTURAL GEOLOGIST - RESEARCH ASSOCIATE, EÖTVÖS LORÁND UNIVERSITY, BUDAPEST, HUNGARY, AND UNIVERSITÉ DE SAVOIE, CHAMBÉRY, FRANCE, SEPTEMBER, 1993 – JUNE, 1995

- Collected, evaluated, and interpreted microtectonic field data, studied paleostress field evolution, prepared structural interpretations of regional seismic cross-sections and cross-validated interpretations
- Prepared and interpreted structural and stratigraphic maps as well as balanced cross-sections at regional and local scales for the palinspastic reconstruction of the evolution of the Pannonian Basin
- Presented the major results at the European Union of Geoscientists Conference, Strasbourg, 1995, at university seminars, and contributed to reports and publications of the project
- Prepared a preliminary assessment of strategic coal reserves, risk, and quality analysis using geostatistical methods; delivered final report to project manager on due date

GEOLOGIST/GEOSTATISTICIAN, HUNGARIAN GEOLOGICAL INSTITUTE, BUDAPEST, HUNGARY; FEBRUARY, 1993 – DECEMBER, 1993

- Prepared a preliminary assessment of strategic coal reserves, risk, and quality analysis using geostatistical methods; delivered final report to project manager on due date
-

PUBLICATIONS:

.