



Dr. Damte is a structural geologist with 15 years of Petroleum industry and related teaching experience. He has worked in evaluation of varied structural styles including intracratonic rift basins, oblique convergent plate margins and coupled shelf extensional and basinward toe thrust systems along passive margins. At Petrel Robertson, Dr. Damte has been involved in petroleum system analysis of basins in Arctic Canada, North and East Africa, and Gulf of Mexico, reserves evaluations of numerous fields, design and construction of static geologic models and Geologic Information System Databases.

## Alula Damte P.Geol.

*Ph.D., Geology (1997)*

*M.Sc., Geology (1990)*

*B.Sc., Geology (1987)*

### Professional Experience

- 1997-Present** | ***Petrel Robertson Consulting Ltd., Executive Vice President***  
*Major Projects include:*
- ♦ Resource assessment and field development planning of several large fields in San Jorge Basin, Southern Argentina
  - ♦ Structural evolution and its impact on hydrocarbon prospectivity in the onshore part of the Nile Delta
  - ♦ Technical Exploration Advisor to junior oil and gas companies exploring/exploiting hydrocarbon in East Africa (Ethiopia, offshore Tanzania, and Mozambique, onshore western Europe and Australia)
  - ♦ Design and construction of static geologic models using Petrel or Roxar in varying depositional and structural setting;
  - ♦ Regional geologic and geophysical assessment of Deep Devonian reservoirs, northeast British Columbia;
  - ♦ Hydrocarbon potential of Lancaster Sound and Baffin Bay, Arctic Canada;
  - ♦ Regional tectonic model and structural analysis of the Comalcalco and Macuspana Basins, Mexico;
  - ♦ "Structural Geology Associated to Salt or Shale Movement and to Lateral Displacement" (course design/40 hrs of lecture);
  - ♦ Regional Geological and Geophysical Assessment of the Central Mackenzie Valley; Mackenzie Delta/Beaufort Sea Region
  - ♦ Hydrocarbon potential and resource evaluation of 3 offshore blocks, Cameroon, West Africa;
  - ♦ Reservoir architecture of the McMurray Formation in Surmont: effect of natural gas production on bitumen reserve;
  - ♦ Global petroleum system analysis of coupled shelf extensional and deep water toe-thrust systems;
  - ♦ Design and implementation of databasing geologic and geophysical information in ArcView GIS package;
  - ♦ Review of structural aspect of the Hibernia Field and determination of reservoir rock volumes for Hibernia and BNA sands (1998-present);
  - ♦ ArcView based Geologic Information database of successful oil and gas fields located along fold and thrust belts in North and South America;
- 1996-1997** | ***Mobil Oil Company, Structural Geologist, New Business Areas***
- ♦ Regional tectonic framework and prospect scale structural analysis of the Ghadames Basin, Algeria;
  - ♦ Construction of regional cross-section across Tunisia from seismic, surface geology, wells using GEOSEC™;
  - ♦ Detailed structural analysis of the Anaguid permit in Southern Tunisia;
  - ♦ Evaluation of the petroleum potential of offshore Sudanese Red Sea;
  - ♦ Field trip leader to southern California on examples of basin formation and inversion in strike-slip fault regime.
- 1994-1996** | ***University of California, Geology Dept., Ph.D. Candidate***
- ♦ Field mapping in highly deformed Plio-Pliocene sedimentary basin along the San Andreas Fault. Map was published using Alacarte, a USGS mapping software that runs on ArcInfo.
  - ♦ Established closely spaced gravity stations in the Mecca Hills and modeled the basement configuration along the northeastern margin of the Coachella Valley. Altitude and location of gravity stations were obtained from a Trimble Pro-XL Differential Global Positioning System.
  - ♦ Paleomagnetic study on samples from sediments of the Mecca Hills, California, using alternating field and thermal demagnetization techniques.
  - ♦ Field trip instructor for Summer Field Camp - Ely Nevada
  - ♦ Teaching assistant for Structural Geology
- 1995** | ***Mobil Oil Company (Bakersfield, CA), Summer Intern***
- ♦ Construction of sub-surface structural map of the Second Frontier Formation in the Tip-Top and Hogsback oil and gas field, Sublette and Lincoln counties, Wyoming;
  - ♦ Well log correlation in Cretaceous-Early Tertiary sequence in the overthrust belt, Southeastern Wyoming.

### Professional Affiliations

Canadian Society of Petroleum Geologists (C.S.P.G.)

Association of Professional Engineers, Geologists and Geophysicists of Alberta (A.P.E.G.G.A.)

### Publications