

Dr Alberto Gaudio PhD – Geologist

Current Position: Geophysical Project Manager – Geoscience Business Development Americas
@ UTEC Survey Inc, Houston, TX

FIELDS OF INTEREST

Research and teaching in Geology and Geophysics.

SKILLS

Geology: wide experience of geological survey, stratigraphy, structural geology. Geological mapping and reporting. Registered Professional Italian Geologist. Experience in offshore geological sampling (box, gravity, piston, vibro coring) and on filed samples description and analysis.

Geophysical Data Processing and Interpretation: Multi-Beam, Sub-Bottom Profiler, Side Scan Sonar, Magnetometer (Gradiometer), Pipetracker, 2D Single and Multichannel Seismic, 3D Seismic Data Interpretation, Desktop Studies/Drilling Hazard Evaluation, Charting and Reporting.

Software: 4DMAPS (AUV Processing Software), VisualSoft Suite, QPS QINSy – Qloud, Caris HIPS SIPS, Eiva NaviEdit - NaviModel, Cyclone, AutoCAD, AutoChart, GlobalMapper, Surfer, SeisVision, and SonarWiz. VisualStudio .net software development.

EDUCATION

University of Turin, 2004-2008

PhD in Structural Geology (Earth Sciences)

University of Urbino, 1997-2003

Master of Science, Geology

QUALIFICATIONS

Professional Examination (Geologist), 2003

Professional Courses (Geology, Stratigraphy and Geophysics)

ACCREDITATIONS

AAPG – American Association of Petroleum Geologists (Effective Member)

SEG – American Society of Exploration Geophysicists (Effective Member)

SUT – Society of Underwater Technology

Italian Geological Professional Association

AFFILIATIONS

TSA - Texas Speleological Association

CURRENT POSITION MAIN DUTIES

- Responsible for safely and profitably executing assigned projects, initiating and encouraging communication between all concerned parties including customers, suppliers, and both onshore and offshore Company staff.
- Manage complete lifecycle of projects, from award phase, through planning, execution, monitoring, completion and closeout phases, as well as post-completion evaluation and review;
- Interprets geophysical and geotechnical data to interpret and define found conditions of the seabed and sub-seafloor stratigraphy;

- Analyze geophysical interpretations, identify all potential issues and resolution in process for all complex technical and business issues, and coordinate with various departments to prepare schedule for projects.
- Describes and defines soil and sediment classification and the suitability of existing and proposed seabed locations;
- Writes professional final reports containing geological interpretation of geophysical data.
- Writes Technical Documents (Company Standard Procedures, Survey Procedures, Technical Bid Documents)
- Represents UTEC Survey as an authority to clients and government agencies in providing geophysical and geotechnical analysis;
- Performs preliminary reduction and processing of geophysical data;
- Offers advice on geophysical matters requiring a very high degree of expertise;
- Utilizes quality control software to analyze data at various stages in processing sequence;
- Writes software code specifically for supporting UTEC Survey Inc. survey projects;
- Foster technical solutions enhance project execution efficiency, ensure effective team participation;
- Completion of project risk assessments prior to mobilization;
- Geophysical and Geotechnical Survey Planning
- AUV Development
- Geoscience R&D
- Geoscience Business Development for Americas
- Confirm and accept transfer of project material generated during the bid stage to project teams, including contract requirements, technical specifications, and commercial terms needed for proper execution of projects;
- Oversee project execution and be responsible for identification, documentation, and action on contractual variations as they arise;
- Advise Operations Management of personnel requirements for projects.

RELEVANT OIL AND GAS INDUSTRY EXPERIENCE

Shallow water Seep Detection survey – Summerland, California

May 2019

Geophysical Project Manager
MBES with water column data analysis, LIDAR, magnetometer survey.

Pipeline Trenching Project – Campeche Mexico

March-April 2019

Geophysical Project Manager
ROV DOL survey, trencher positioning.

Pipeline Trenching Project – Texas/Mexico

June 2018 – Feb 2019

Geophysical Project Manager
ROV DOL survey, trencher positioning.

Prelay Pipeline Survey (Campeche-Mexico) – Several projects

Feb-May 2018

Geophysical Project Manager
Processing and interpretation of SBP data. Geological reporting.
Software: SIOSEIS, SONARWIZ

Prelay Pipeline Survey (Campeche-Mexico)**January 2018**

Geophysicist
Mobilization of Sub Bottom Profiler.
Software: Edgetech Discover

Pipeline Route Geophysical Survey (Darwin, Australia)**September - October 2017**

Geophysicist
On Board Processing and interpretation of sidescan sonar data.
Software: SonarWiz

AUV Trench Monitoring and Survey (Zohr Field – Egypt)**June – July 2017**

Geophysicist
On board/office. AUV (GeoSwath) SSS and SBP data QC, processing and interpretation, led Charting & Reporting.
Software: MAPS, GlobalMapper, AutoCAD.

AUV Trench Monitoring and Survey (Zohr Field – Egypt)**June – July 2017**

Geophysicist
On board/office. AUV (GeoSwath) SSS and SBP data QC, processing and interpretation, led Charting & Reporting.
Software: MAPS, GlobalMapper, AutoCAD.

Geological Route Inspection (Gulf of Mexico – Mexico)**May 2017**

Geophysicist/Project Manager

Geophysical Coral Reef detection and inspection

Geophysical/Geotechnical Survey for ship Wreck recovery**(Strait of Singapore - Indonesia)****April 2017**

Geophysicist

On Board/Office: Dual head Multibeam ROV mounted data processing.

Software: QPS QINSy, Cloud Compare, AutoCAD, AutoChart.

As-Trenched Pipeline Surveys, several sites**(Gulf of Mexico – Mexico)****December 2016 – March 2017**

Geophysicist

Office: Dual head Multibeam ROV mounted data processing.

Software: QPS QINSy, VisualEdit Pro, AutoCAD, AutoChart.

AUV Helicopter Wreck Search (Cabinda – Angola)**November 2016**

Geophysicist

On board/office. AUV (GeoSwath) SSS data QC, processing and interpretation, led Charting & Reporting.

Software: MAPS, AutoCAD, AUVView.

AUV Pipeline Inspection / Prelay**(Sint Eustatius – Caribbean Netherlands)****September-October 2016**

Geophysicist

On board/office. AUV (GeoSwath) SSS and SBP data QC, processing and interpretation, led Charting & Reporting.

Software: MAPS, GlobalMapper, AutoCAD.

- AUV Pipeline Inspection (Hartlepool - UK)** **July-August 2016**
Geophysicist
On board/office. AUV (GeoSwath) SSS and SBPdata QC, processing and interpretation, led Charting & Reporting.
Software: MAPS, AutoCAD, AUVView.
- Subsea Laser Scanner Manifold Metrology (Gulf of Mexico – USA)** **April 2016**
Geophysicist
Subsea Laser Scanner data processing.
Software: Leica Cyclone
- As-Built pipeline Inspection (Gulf of Mexico – Mexico)** **February 2016**
Geophysicist
Dual head Multibeam ROV mounted data processing.
Software: Eiva NaviEdit / NaviModel
- AUV As-Found Pipeline Survey (Angola – Mafumeira Sul Field)** **July – December 2016**
Geophysicist
On board/office. AUV (GeoSwath) data QC, processing and interpretation, led Charting & Reporting.
Software: MAPS, AutoCAD, AUVView.
- ROV As-Built Inspections, Several (Gulf of Mexico - USA)** **January - March 2105**
Geophysicist
Office. Dual Head profiler data processing, alignment sheet charts drawing.
Software: VisualEdit Pro, AutoCAD, AutoChart.
- AUV Pipeline Inspection, OGGs (Nigeria)** **October - December 2014**
Geophysicist
Office. AUV (GeoSwath) data processing and interpretation. Alignment Sheet drawing and reporting.
Software: CleanSweep, SonarWiz, AutoCAD, GlobalMapper14.
- AUV Pipeline Inspection, Reporting (Australia)** **July - August 2014**
Geophysicist
Processed and reported multibeam and sidescan data for Apache (Quadrant). Led Charting & Reporting.
- As-Built Survey Processing, Charting & Reporting (Gulf of Mexico)** **April - July 2014**
Geophysicist
Processed and reported dual-head multibeam and video data for Dalmatian, Cardamom, Hess, Williams and Princess fields.
- Pipeline Export Route Inshore Geophysical Survey (Azerbaijan)** **September 2013 - November 2013**
Geophysicist
AUV data processing and interpretation. Alignment sheet drawing and reporting.
Software: Caris, SonarWiz, AutoCAD, Surfer.
- Pipeline Export Route Offshore Geophysical Survey (Azerbaijan)** **August 2013 - September 2013**
Geophysicist
On-board MBES data processing and interpretation. Alignment sheet drawing and reporting.
Software: Caris, AutoCAD, Surfer.

Pipeline Installation Pre-Lay Survey (Adriatic Sea)**July 2013 - August 2013**

Geophysicist

On-board MBES, SSS, and SBP data processing and interpretation. Alignment sheet drawing and reporting.
Software: Caris, AutoCAD, Surfer.

AUV and Multichannel Seismic Survey (Filomena Prima)**April 2013 – June 2013**

Geophysicist

Survey on several sites (well site, bottom survey, sealine survey): AUV data acquisition and on-board processing, and charting. Seafloor samples coring. Multi-channel seismic 2D data processing and interpretation.
Software: Caris, SonarWiz, ProMAX, AutoCAD, Surfer.

Pipeline Construction (North Sea Leman Field)**October 2012 – January 2013**

Geophysicist

On-board ROV data acquisition and processing: ROV video, dual head multibeam, TSS pipetracker. Processing and charting of pre-lay, as-laid, as-trenched, and as-built.
Software: VisualSoft, AutoChart, QPS QINSy.

Pipeline Construction (North Sea)**August 2012 – September 2012**

Geophysicist

On-board ROV data acquisition and processing: ROV video, dual head multibeam, TSS pipetracker. Processing and charting of pre-lay, as-laid, as-trenched, and as-built.
Software: VisualSoft, AutoChart, QPS QINSy.

Well Site Survey (Angola)**July 2012**

Geophysicist

On-board data processing of MBES, SSS, SBP, mono-channel and multi-channel seismic survey; data interpretation, charting and reporting.
Software used: QPS QINSy – Qloud, SonarWiz, ProMAX.

Shallow Hazard Evaluation**May 2012**

Geophysicist

3d seismic data interpretation with GeoGraphix Interpretation System, map production (horizons time – depth) and reporting.

Bottom Survey**April 2012**

Geophysicist

On-board processing, interpretation, charting, and reporting of MBES, SSS, SBP data.

Cable Laying (Balearic Sea)**December 2011 – January 2012**

Geophysicist

Fiber optic cable laying, and mattress installation. Online during ROV operation (Video, dual head profiler, TSS pipetracker) and processing with VisualSoft Suite. Onboard data processing of MBES (R2Sonic) using QINSy and Qloud. Chart production with AutoCAD and reporting (whole operation, from 'pre lay' to 'as built' phase).

Mob Operations (Genova Harbor)**November 2011**

Geophysicist

Vessel mob operations: instrument installation, check, and calibration (online with QINSy) of DGPS, MBES, MRU/GYRO, and USBL.

Pipeline Construction (Balearic Sea)**September 2011 – October 2011**

Geophysicist

Pipeline laying. On board processing of MBES (R2Sonic) using Caris HIPS SIPS. Online data acquisition, eventing (field joint, anodes, free span) and processing using VisualSoft Suite during ROV operations (video, dual head profiler). Charting and report production (whole operation, from pre-lay to as-backfilled phase).

Cable Survey (Adriatic Sea)**August 2011**

Geophysicist

Italy - Greece cable inspection survey. On-board acquisition of ROV video, TSS data, and eventing using VisualSoft Suite. Processing of data, chart production, and reporting.

Pipe Inspection and Bottom Survey (Black Sea)**May 2011**

Geophysicist

Pipe inspection and bottom survey. On-board processing, interpretation, mapping and reporting of geophysical data from SSS and SBP with SonarWiz, MBES (Caris HIPS SIPS) and ROV video eventing , DH and TSS pipetracker with VisualSoft suite.

RELEVANT INDUSTRY EXPERIENCE IN CIVIL ENGINEER**Oil Company Gas Stations Network Rebranding****Oct 2009-Feb 2011**

Geologist

Geological, geotechnical and geophysical (GPR) survey of the Italian Gas stations network, for installation of new facilities, tanks and structures.

Registered Geologist**2003-2004**

Geotechnical and geological surveys, intervention planning, geological maps, local area computer, Network planning. Employer: Ennio Palma - Geologist, Urbino, Italy

ACADEMIC EXPERIENCE**RESEARCHER IN STRATIGRAPHY AND PALEOCLIMATOLOGY (post doc)****2007-2009****University of Urbino****Supervisor: Prof Simone Galeotti**

Stratigraphic sampling and lab analysis (calimetry). Data interpretation.

USSP ORGANIZATION**2007-2008**

Urbino Summer School in Paleoclimatology – Organization Committee member

GEOLOGICAL SURVEY COURSE ASSISTANT**2001-2007****University of Turin**

As expert student and after graduate, I was assisting other students during geological survey, with the geological survey course of the University of Turin (Prof. Marco Gattiglio), for the area of the Umbria-Marche sedimentary basin (Apennine-Italy).

PRIN (Italian Program of National Interest) TUNISIA**Oct-Nov 2006****Field geologist with University of Urbino for a Program of National Interest**

Tunis, El Kef, Elles, Kairouan (Tunisia) stratigraphic sampling for: Sedimentology, paleontology, paleoclimatology, paleomagnetism and mapping of cretaceous - oligocenic terrains with special reference to boundaries Cretaceous/Paleogene – Paleocene/Eocene – Eocene/Oligocene within the frame of a "National Interest Research Project, and collaboration between Urbino University and Prof. Jim Zachos, California Santa Cruz University.

FORTE (Fueginian Orogen Tectonic Evolution)**Feb-March 2004**

Tierra del Fuego (Argentina – Chile). Structural and gravimetric data collection and data processing/interpretation. University of Urbino, Institute of Geodynamics and Sedimentology, University of Trieste (Institute of Oceanography and Experimental Geophysics) and University of Buenos Aires. FORTE Project (Fueginian Orogen Tectonic Evolution), Italian National Project of Antarctic Research (PNRA).

PUBLICATIONS PAPERS AND CONFERENCES

Gaudio A & Sacchi E.M. (2014): Map of the karstic areas of Marche region – Italy –Regione Marche – Gruppo Speleologico Urbino.

C. Bisiccia, A. Burattini, P. Forti, A. Gaudio, L. Lani, M. Magnoni, L. Mancinelli, M. Tramontana, E. M. Sacchi, D. Savelli, V. Tiberi, L. Zanarelli (2012): Pollution vulnerability map for the aquifers of Monte Nerone (Marche - Italy). Project financed by Regione Marche (Italy) L.R. 12/2000

S.Galeotti, S.Krishnan, M.Pagani, L. Lanci, A.Gaudio, J.C.Zachos, S.Monechi, G.Morelli & L.Lourens (2010): Orbital chronology of Early Eocene hyperthermals from the Contessa Road section, central Italy, EPSL. Volume 290, Pages 192-200

Galeotti S, Rusciadelli G, Sprovieri M, Lanci, Gaudio A., Pekar, S. (2009): Sea-level control on facies architecture in the Cenomanian–Coniacian Apulian Margin (western Tethys): a record of glacioeustatic fluctuations during the Cretaceous greenhouse?. *Palaeogeography Palaeoclimatology Palaeoecology*. Volume 276, Pages 196-205.

Gattiglio M., Bertok C., Gaudio A. (2007): Birth of a mountain range – Italian University and Research Ministry - FIRB Project 2007.

Gaudio A. (2007): First report of the study on ductile and brittle interactions structures along the Tectonic contact between the Dauphinois Covers and the Helminthoid Flysch in the Maritime Alps. *MEMORIE DELLA SOCIETA' GEOLOGICA ITALIANA*. ISSN: 0375-9857.

A.Gaudio (2005): "Strike slip tectonic in the umbrian - marchean Appennine, evidences in the M. Catria Area" congress of the Italian Geological Society, GIGS, Spoleto 20-22 feb 2005.

M. Cenni, D. Gattini , A. Gaudio, M. Menichetti, E. Lodolo (2004): Cinematic analysis of Magellano - Fagnano fault system in the Tierra del Fuego region. - *GeoSur* – Buenos Aires – November 2004.

M. Menichetti, M. Cenni, D. Gattini, A. Gaudio, M. Mattioli (2004): The Geometries, deformation Styles, Kinematic analysys in the Fuegian Andean Magellanes Fold and Thrust Belt. - *Bollettino di Geofisica Teorica e Applicata*. *Geosur* 2004. 45/2: 44-46.

A. Gaudio & M. Menichetti (2003): Cave microclimate and its relationship with tourist visits - International Speleology Congress "The karst environment and the man", Bossea – Cuneo - Italy 2003.

EMPLOYMENT HISTORY

UTEC Survey, Inc.
Senior Geophysicist
2014 – Present

G.A.S s.r.l.
Data Processor
2011 – 2014

3BA s.r.l.
Geologist - Project Manager
2009 – 2011

University of Urbino
Academic Researcher (Stratigraphy, Paleo Climatology)
2007 – 2009

Studio Geologico Ennio Palma
Geologist
2003-2004

Alberto gaudio
Houston, TX
05/11/2020