

Gehrig Stannard Schultz

Summary

30+ years in the upstream oil and gas industry, holding senior management and board level positions. A Geoscientist, currently completing a PhD in Geophysics. A business builder with proven experience and unique skills in developing international projects. A deep technical focus combined with proven commercial and business skills. Advisor and Partner in new technical business ventures. Always open to engaging with technology focused individuals to explore new business opportunities.

Current Business

EPI Geoscience

COO Geoscience Division

Lead the geoscience division perform field studies, production enhancement and development plans for exploration, development, and redevelopment projects. Pivoted the business to focus on field redevelopment.

EMON

Technical Advisor

Caithness Petroleum

Technical Advisor

Leopardus Petroleum

Advisor to the Board of Directors

Geolinks

Member Board of Advisors



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Work History

Surus Geophysical BV.

CEO and Founder, July 2015 to 2018

Founded Surus Geophysical, a geophysical company using multiple physical measurements to reduce exploration drilling risk. Developed UAV mounted sensors, robotics & other low impact geophysical acquisition technology to increase quality.

Beam Geophysical

Partner & Commercial Director September 2017 to 2019

Startup company developing new technology using electromagnetic waves to detect and measure hydrocarbon movement. Start up in early-stage technical development.

Seismic Mechatronics

Advisor to the Board, August 2017 to 2108

Dutch firm developing geophysical energy source using electromagnetic linear motors for seismic acquisition. Commercializing technology for monitoring and measuring hydrocarbon movement in existing fields.

Petroleum and Geothermal Exploration Services

Commercial Advisor, August 2017 to 2018

Firm specializing in passive seismic & MT measurements for hydrocarbons and geothermal exploration. Grew the market geographically and developing EOR monitoring technology.

GeoCentrum

Co-Founder, December 2016 to 2019

GeoCentrum commercializes aerial time lapse images and geospatial measurements for urban management, development, environmental protection & insurance.

3J Tech

Advisor to the Board, December 2015 to 2018

Commercial advisor Taiwanese firm developing magnetotelluric and passive seismic instruments for hydrocarbons and geothermal energy exploration and development.



Prospectiuni, November 2008 to July 2015

Chairman of the Board & Chief Executive Officer

Executive management responsibility for publicly listed geological and geophysical services company with industry leading EBITDA and Profit Margin among peer group of onshore seismic contractors. Tripled annual revenue from € 32MM to €98 in five years. Expanded operations from Romania to Senegal, Morocco, Portugal, Spain, Bulgaria, Tajikistan, Georgia, Albania and Egypt. Implemented ISO certifications of all services and OGP compliant HSE management system. Implemented SAP accounting and IFRS reporting. Added new environmental and logging business lines.

Tender Oil and Gas, March 2010 to July 2015

Chairman of the Board

Built asset base with 2,599 MM bbls unrisked prospective reserves including a producing oil field in northern Romania and prospective exploration assets in the deep water offshore AGC off Senegal and a basin commanding onshore acreage position in Senegal and Guinea Bissau. Built a team of highly experienced petroleum industry professionals.

PGS Onshore, 2001 to November 2008

Vice President, Eastern Hemisphere Operations

Full bottom line and & HSE responsibility for USD 70MM geophysical acquisition operations in Libya, Bangladesh and Nigeria. Expanded operations to Morocco, Tunisia and Cambodia.

Vice President, Worldwide Business Development

Developed new business growing PGS Onshore revenues to US\$ 150MM per year from USD\$14 MM over four years. Established new operations in six countries.

Worldwide Business Development Manager

Assessed & initiated international business opportunities in countries with sustainable multinational and national oil company petroleum sectors. Primary responsible party in all phases of initiating a new operation from opportunity and risk assessment to legal and financial incorporation

A handwritten signature in blue ink, appearing to read 'John Helt', is located in the bottom right corner of the document.

Grant Geophysical, 1999 to 2001

Managing Director, Mexico

Full bottom line & technical responsibility for USD 19MM geophysical acquisition contract. Managed regulatory compliance, established local project financing and client relationships.

International Marketing Manager

Closed sales totaling USD 42MM in Colombia, Ecuador, Trinidad and USA. Structured business deals to minimize exposure to risk factors, such as currency fluctuations, inflation, political instability and regulatory requirements

Western Geophysical, 1988 to 1999

Managing Director, Venezuela

Grew geophysical acquisition and processing revenue to USD 89MM per year from USD 17MM over five years. Full bottom line responsibility for annual EBIT of USD19MM.

Other positions held at Western Geophysical -Operations Supervisor
- Venezuela, Operations Supervisor - Mexico, Party Chief –
Venezuela, Data Processing Analyst – Denver, Party Manager –
Gabon, Assistant Party Manager - Brazil

A handwritten signature in blue ink, appearing to read "John L. Lott".

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Education

Doctoral Candidate in Geophysics, estimated completion 2022

University of Bucharest

Thesis subject – *“Integrating Electrical Resistivity, 3D Seismic and other Geophysical Methods with Geochemistry and Well Data to Understand the Petroleum System of the Borsa and Oligocene Reservoirs in the Sacel Field, Maramures County, Romania”*

Bachelor of Science in Geophysical Engineering

Colorado School of Mines

Minor studies in Public Affairs and Geology

Awards

- Renaissance Student Award for student recognized as exemplifying a “Renaissance Man” with excellence in Scholarship, Athletics, Art, Literature and Leadership
- H. Fleet Parsons Award for Community Service
- Phi Gamma Delta Award for Community Service

Continuing Education

- Leadership Skills
- Finance for Non-Financial Professionals
- Mini-MBA for Managers, Houston Baptist College
- HSE Management Systems
- (Helicopter Accident Investigation, Emergency Preparedness, First Responder,
- First Aid, CPR, Defensive Driving.



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Volunteering

I am passionate about geosciences education. I focus my efforts on enabling students and recent graduates to develop hands on experience. I have been working with industry and universities since the early 1990's to provide field data collection campaigns, internships and other opportunities.

Current

Leprosy Mission UK

Ambassador to UK Business and Industry

I am liaison with business and industry to promote awareness of leprosy and the Leprosy Mission's work to heal victims and eradicate the disease

Colorado School of Mines, United States

Mentor

I am mentoring students who have interests in international business and expatriate work.

Young Professional Groups, AAPG Europe and Petroleum Exploration

Society of Great Britain

Lockdown Lectures

Assisted Young Professionals group to establish a series of technical webinars to support continuing education during the pandemic

Previous

Young Professional Groups, AAPG Europe and Petroleum Exploration

Society of Great Britain

Field Geophysics acquisition project.

I was working with a group of approximately 45 young professionals from both organizations to acquire micro-gravity, micro-magnetics, GPR, electrical resistivity and ultra high resolution 2D seismic over a suspected Iron Age burial complex. The technical program was planned, equipment sourced and logistics in preparation when cancelled due to the COVID 19 pandemic.



Oxford University, UK

Steering Committee, Katanga Basin Study Consortium

Advising technically and operationally on an earth crustal study to determine thermal and fluid control over copper resources in Zambia Copper Belt. This project will provide field acquisition experience and data sets for thesis projects for students from Zambia, South Africa and the UK.

University of Bucharest, Romania

Advisor, Student Chapter EAGE

Multiple year collaboration with the University of Bucharest student EAGE chapter to create hands on experience with data collection contractors in student led field campaigns in Romania.

University of Bucharest

Advisor to Dean of Geology & Geophysics

Long term cooperation providing industry and hands on experience to students. We operated annual student led field acquisition campaigns, three SEG Geoscientist Without Borders projects and archeological studies using geophysical methods. Projects grew to include students from Serbia, Bulgaria and Poland. Over 80 students had work-study jobs and internships.

Freiburg University, Germany

Advisor, Student Chapter EAGE,

Working to create hands on experience with data collection contractors.

Petroleum Exploration Society of Great Britain

Special Interest Group, Geophysics

Committee focused on providing learning opportunities and strengthening the geophysical community in the UK.

Universidad Simon Bolivar & Universidad Central de Venezuela

Advisor

From 1992 to 1998, we organized annual student led 2D & 3D seismic acquisition, process and interpretation projects.



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Awards, Professional Memberships and Other

Awards and Achievements

- Recognition for Contribution to State Agency of Oil and Gas - Republic of Georgia
- Global Energy Training Award 2014, Worldwide Best Industry – Academic Educational Partnership
- Company of the Year, 2015, Romanian Chamber of Commerce
- Oil Man of the Year, 2014 Romanian Petroleum Club
- Company of the Year, 2014, Capital Magazine
- Company of the Year, 2013, Romanian Petroleum Club
- Contractor of the Year, 1992, Venezuelan Society of Geophysicists
- Renaissance Student Award for student recognized as exemplifying a “Renaissance Man” with excellence in Scholarship, Athletics, Art, Literature and Leadership
- H. Fleet Parsons Award for Public Service, Colorado School of Mines
- Founder, Gamma Kappa Chapter, Phi Gamma Delta Fraternity, Colorado School of Mines
- Phi Gamma Delta Award for Community Service
- Eagle Scout & Order of the Arrow

Memberships

- Steering Committee, Central and Eastern European Petroleum Group
- Fellow, Geological Society UK
- European Association Geophysical Engineers, Platinum Member
- American Association Petroleum Geologists (European)
- Petroleum Exploration Society of Great Britain
- Institute of Directors, UK
- Colorado School of Mines, M-Club Alumni Association, Regional Committee Head
- Board of Directors, Bucharest Geosciences Forum



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Publications

The Death of Wiggle Picking – How Geophysics Must Change to Remain Meaningful

Jun 2019 GeoExpro

"Geophysical data are a part of everything that we do," Stephen Greenlee, president of ExxonMobil Exploration Co., told a roomful of people gathered for the opening session of

the Society of Exploration Geophysicists International Annual Meeting. Whether we are picking a spot to explore, drill or bid on a block, deciding whether to continue an infill drilling programme or sanction a project, as he says: "It all relies on geophysical data."

The amount of data collected from land and marine seismic surveys has grown considerably in recent years. A land seismic survey conducted in 2005 had 400,000 traces per km²; by 2009, that number had reached 36 million. In 2018, an ultra-dense survey, with 72 million traces per km², was acquired onshore in Egypt. Between 2005 to 2009, the average volume of data gathered on an eight-hour shift grew from 100 gigabytes to more than 2 terabytes. The problem that many companies are facing is that as the volume of data has increased exponentially, the timelines for delivering results has compressed

Effects of Seismic Data Acquisition on the Environment – RomSeis Project

Apr 3, 2016 International Journal of Environmental Protection and Policy

Complex structures like the Carpathian Orogen and its neighbouring platforms and related inter-orogenic basin system can be understood only by complex integration of complementary investigative tools. A large wide angle refraction and reflection (WARR) survey was carried out in 2014 by a large international partnership in order to study the transition from the East European Platform to the northern part of the Romanian Eastern Carpathians, Transylvanian Basin and the Apuseni Mountains. The main scientific objectives of the WARR project relate to three main investigation domains: crustal architecture; affinity of crystalline basement and sedimentary basins architecture. The profile is about 700 km in total, in Ukraine and Romania. Recorders used were DSS Cubes and placed at 2.0 km intervals along an alignment forming the Romanian segment and the seismic sources were explosives, with shotpoints spaced at 20-65 km with a total of 800-1200 kg explosives/site in clusters of drill-holes loaded with 50 kg explosive/hole, average depth of 25 m. The main conclusions drawn from deep seismic data acquisition technology used is a clean technology, transient, short-lived and do not affect population health, the environmental factors flora and fauna.



3D Seismic Operational Optimization in the Lusitanian Basin, Portugal

Jan 2012 EAGE First Break

Ron McWhorter, Gehrig Schultz, Andrew Clark, Tim Branch and Malcolm Lansley discuss the challenges of an operationally problematic 3D seismic survey carried out in Western Portugal where the solution was found in careful planning plus the use of multiple sources and a cable-free recording system.

Earning Community Trust in Ecuador

Feb 2004 EAGE First Break

Land seismic crews have to adapt to working in every kind of environment around the world. In this illustrated article Gehrig Schultz and Norberto Soto describe how one PGS Onshore operation found the solution to carrying out seismic acquisition in a jungle region of Ecuador in the face of objections, local and international. Meeting the challenge of seismic acquisition in the jungle and the special local conditions that govern such surveys. The crew is acquiring its second 3D survey in Ecuador's oil rich Oriente Basin for state oil company, PetroProduccion, as part of a project to redevelop the mature Sacha Field. Discovery of the Sacha Field and other nearby giant fields attracted immigration to the area by poor peasants called 'colonos' pursuing economic opportunities and free land. The colonization, in turn, led to commercial development, including logging, mining and agriculture. In Ecuador, as in any developing nation, forested lands were cleared to support this growing population. Today, the oil boom's economic opportunities have been replaced by increasing poverty as the 'colonos' can now only operate marginal cattle ranches and small struggling coffee, cocoa and oil palm plantations. The poor jungle soils only produced profitable crop yields for three or four years, until minerals were depleted from the thin jungle soils. The worldwide collapse of coffee prices has eliminated the main source of income for many small farmers. Small groups of traditional indigenous tribes still inhabit the remote, undisturbed jungle areas, living very much in the way they have for centuries. Environmental damage during the early years of oil field development has led local farmers and indigenous groups to distrust the petroleum industry. This distrust led local stakeholders and international non-governmental organizations (NGOs) to actively challenge oil exploration activity in the area,



Conferences

Bid Rounds & Opportunities in Eastern Europe

22 February 2021, Presentation, Appex, AAPG Prospect and Property Expo

Eastern Europe –the area between western shore of the Caspian Sea to the western border former Eastern Block countries

- Opportunities for technology plays
- Underexplored potential in Black Sea & Dinaride/Albanide/Ionian, Carpathian and Caucasus thrust belts
- Large gas demand with electric consumption growth
- ESG drive to convert generation from coal and aging infrastructure

Energy Poverty in Europe

11 February 2021, Presentation, CEEC Conference

Discussion of current energy poverty in Europe and impact of transition to renewable energies.

Perspectivas del Futuro de la Sismica

10 July 2020, Webinar, International Gas and Energy Forum

Analysis of seismic acquisition projects in Latin America from 2020 to 2025

How to compliment seismic with non-seismic geophysics

20 May 2020 Webinar, PESGB Lockdown Lectures

Overview of uses and applications of non-seismic geophysics

Mapping Hidden Reservoirs using AI Attributes

22 April 2020, Presentation, ResTech 2020

The fitness function is the measure of the genotype similarity (seismic similarity) of individuals or sub-populations. The selection is based on the fitness, individuals or sub-populations with the highest similarity will be selected for the next generation. The selection in favor of cohesion, selection will tend to bring together the individuals and the sub-populations that constitute the most coherent sub-populations (geological events).

Drones in Geophysics

23 April 2020, Webinar, PESGB Lockdown Lectures

What is a UAV? Applications of UAV's for industry & Geoscience

New Potential in a Mature Petroleum Basin Pannonian Basin of Northern Croatia

Jun 6, 2019, Presentation, Co-authored with Dr. Matthew Watkinson
EAGE Annual Conference



Conferences

A Case Study on Increasing Production in a Tight Reservoir in the Dneipr Donets Basin, Ukraine

20 October 2020, Presentation, CEEC

Potential for Large Discoveries In Romania

Apr 2015, CEEC Conference

Discussion of underexplored plays in Romania

Romania E&P: The Candy Shop is Full...

Jan 8, 2015 NATural Gas Europe Conference

Prospects for oil and gas developments in Romania are plentiful, if one can navigate through the obstacles, according to Gehrig Schultz, Chairman of the Board and CEO, Prospectiuni, at the Romania Oil & Gas conference in Bucharest. He said that while the "candy shop" is full, accessing it required a note from mom. "Here we are in Romania, which is the richest place in Europe, that has all kinds of oil and gas resources that have been discovered, or are still in our minds, but it's pretty difficult to get on the land to do our work," he explained, despite the great technologies available to the industry, like completing wells innovatively, for example.

[See publication Romania E&P: The Candy Shop is Full...See publication](#)

Community Relations - A Service Provider's Point of View

Oct 6, 2014 Association of International Petroleum Negotiators Conference

Exploring in Turbulent Times

Apr 3, 2014 SEE upstream conference

Recent shale gas and other anti-petroleum activism has changed the operational landscape in what appear to be permanent ways

[See publication Exploring in Turbulent Times See publication](#)

European Business Partnerships as an Engine for Growth

Apr 2013 ICON Vienna

"European businesses must make a commitment to long and short-term partnerships, especially when collaborating with resource rich, know-how scarce countries even when the path forward is unclear and changing. Prospectiuni is an advocate of lasting change, striving to share Europe's wealth of knowledge with our international partners worldwide. Success comes with great responsibility, and ours is to provide format and structure for collaborative business while pursuing global development

[See publication European Business Partnerships as an Engine for Growth See publication](#)

Geophysics use in managing and reclaiming contaminated sites

Apr 28, 2010

Discussion of use of various geophysical methods used to understand acid mine water runoff and potential clean water source in Zlatna Valley



Technical Presentations 2012 – 2013 Academic Year

Finding & Developing Strategic Minerals

Bundestag Natural Resources Committee, Berlin, Germany, 9 December 2012

Author G. Schultz

Examination of resource occurrence concentration for rare earth minerals and other minerals that are strategic to future growth of German economy. Discussion of potential occurrences in other areas and development time from exploration to production.

Multi-Disciplinary Study Provides Inexpensive Conceptualization of a New Exploration Targets in a Developed Field

Bucharest Geosciences Forum, 24 January 2013

Authors: J. Rayner, C. Dutu, G. Schultz

The Sacel Field in the Maramures basin has been in production for over 100 years. The complex geology along the Dragos Voda fault makes the field geometry poorly understood. Mapping surface outcrops and seeps combined with geochemical sampling has changed the potential size and geometry of the reservoirs.

Leading Change to Build Organizational Effectiveness in a Rapidly Growing Company

Hay Group Management Forum, 14 March 2013

Author G. Schultz

Discussion of cultural transformation within a geophysical acquisition, processing and interpretation company – keeping culture of excellence and adding continuous improvement culture. We must *develop and deploy* new “people technologies” to insure new industry technologies are identified, evaluated, and adopted early

Prospectiuni – Background and Strategy

Palmer Capital Investor Forum, 27 March 2013

Author G. Schultz

Growth strategy to develop Prospectiuni to a Euro 150MM revenue company by 2015. Focus on developing technical human resources to support the growth requirements.



Technical Presentations 2012 – 2013 Academic Year

Technical Partnerships - A Long Term Commitment

IconVienna 2013 “Global Innovation Change – Europe’s Role to Meet the Challenges” April 25th 2013

Author: G. Schultz

Case studies in building geophysical joint venture partnerships in developing economies to share skills and resources in order to maximize output. The acceleration of the innovation process increases competitive advantage and amplifies results for all parties.

Central-Eastern Romania’s Petroleum Systems and Reservoirs Distribution

AAPG European Regional Conference, “Petroleum Systems of the Para-Tethys”, 26-27 September 2013, Tbilisi, Georgia

Authors: Stoica-Negulescu Elena-Rodica, Diaconu Alexandru, Cohut Mihaela,, Schultz Gehrig, **Prospectiuni S A**

Exploring for Large Oil Fields in Romania. Reversing the Decline of Producing Reserves

2009 Finmedia

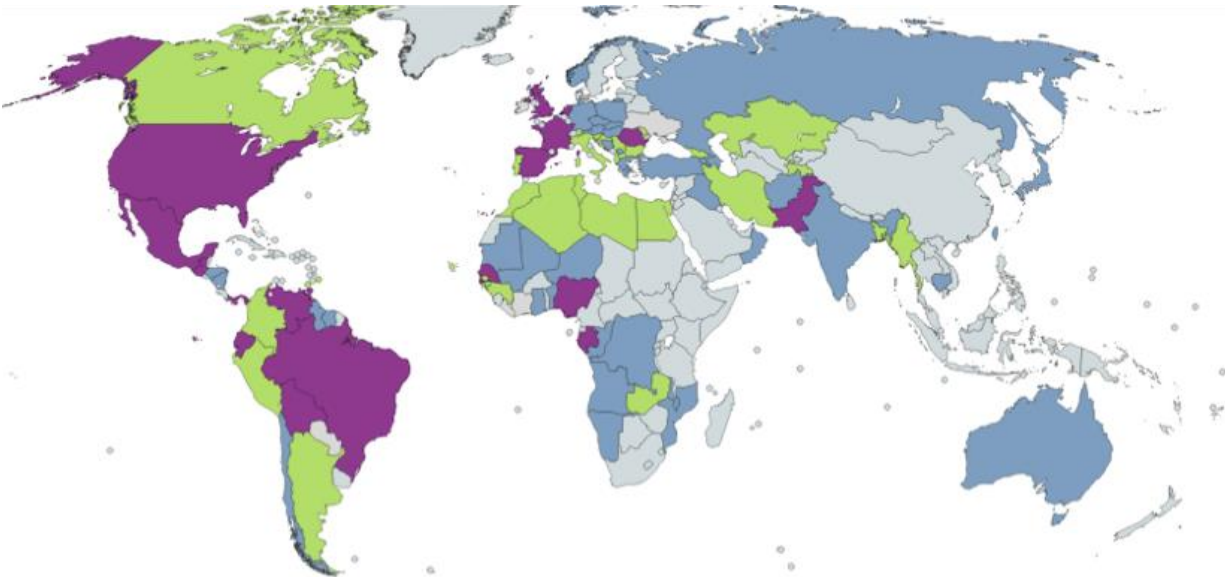
Exploration in Romania requires new geological concepts and application of technology

A handwritten signature in blue ink, appearing to read "Gehrig Schultz".

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International Experience

My unique background makes me very effective in international business. Growing up in Latin America, Pakistan & the USA made me very culturally adept. I have built, grown and managed businesses in Latin America, Africa and Europe. My background enables bringing out the strength & innovative potential in running multi-cultural organizations.



Countries Lived

Ecuador	Panama	Pakistan	France
Bolivia	Guatemala	United States	Netherlands
Brazil	Mexico	United Kingdom	Spain
Venezuela	Gabon		Romania

Countries Worked

United States	Brazil	Bangladesh	Portugal
Mexico	Bolivia	Cambodia	Romania
Guatemala	Argentina	Gabon	Bulgaria
Ecuador	Nigeria	Senegal	United Kingdom
Panama	Libya	Guinea Bissau	Netherlands
Colombia	Tunisia	Iran	Ukraine
Venezuela	Morocco	Myanmar	Chad
Trinidad	Algeria	Georgia	

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