INAUGURATION

THE NoRDF PROJECT

MODELING AND EXTRACTING COMPLEX INFORMATION FROM NATURAL LANGUAGE TEXT

Mardi 15 décembre 2020
Enjeux industriels - Schlumberger

Laurent BUTRÉ
Directeur du Lab IA, Schlumberger
Traitement du langage et cybersécurité
NoRDF – Chaire Télécom Paris

Laurent Butré
Desktop Support / VIP IT Support / Service Delivery Manager / Communication / Business System Portfolio Manager / Geomarket Manager / Desktop Services and Mobility Manager / Innovation Manager / Director AI Lab
The Values of Schlumberger

- Our people thrive on the challenge to excel in any environment. Their dedication to safety and customer service is our greatest strength.

- Our commitment to technology and quality is the basis of our competitive advantage.

- Our determination to produce superior profits is the cornerstone of our future independence of action and growth.
What We Do

Leading provider of technology to the energy industry

Well Construction
- Bits & Drilling Tools
- Directional Drilling
- Logging-While-Drilling
- Surface Logging
- Drilling Fluids
- Solids Control
- Cementing
- Land Rigs

Production Delivery
- Production Systems
- Process Systems
- Valves & Measurement
- Chemicals & Treatment
- Production Management

Reservoir Production
- Pressure Pumping
- Completions
- Artificial Lift
- Subsea Production Systems
- Well Intervention

Reservoir Characterization
- Seismic Services
- Wireline
- Well Testing
- Software
- Petro-technical Expert Services
### Technology Domain Knowledge

**Communities of Practice**

- Over 30,000 members
- Over 10,000 publications in the past decade
- 2019 Excellence in Knowledge Management Award

Source: Award from American Productivity & Quality Center
Schlumberger Embedded AI Lab

- Team of 17
- 50% PhD & PostDoc
- 50% Gender Balance
Cyber Security Feeds and NLP Challenge

ML & AI is critical at a SOC level
Assist, Accelerate, Automate

Schlumberger Cyber Security Operation Center

- It is not only about IOC (Indication of Compromise)
- It is News feeds & Dark web monitoring

Challenges: Volume and Truth
- How to deduplicate topics from feeds
- How to surface long tail
- How to validate information (Fake information)

One of the few SOC 2 Type 2 accredited player in the Oil & Gas

https://www.software.slb.com/delfi/security