



INAUGURATION

THE NoRDF PROJECT

**MODELING AND EXTRACTING COMPLEX INFORMATION
FROM NATURAL LANGUAGE TEXT**

Mardi 15 décembre 2020



Enjeux industriels - Schlumberger

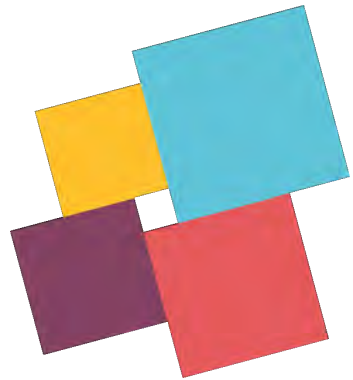


Laurent BUTRÉ

Directeur du Lab IA, Schlumberger

Traitement du langage et cybersécurité

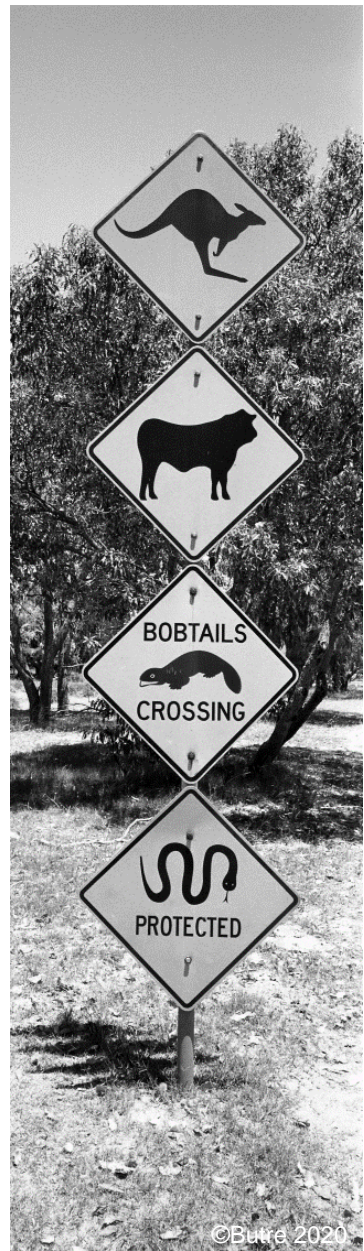
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NoRDF – Chaire Télécom Paris

Laurent Butré





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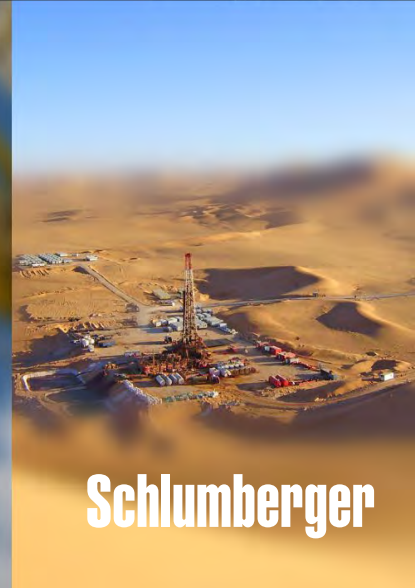
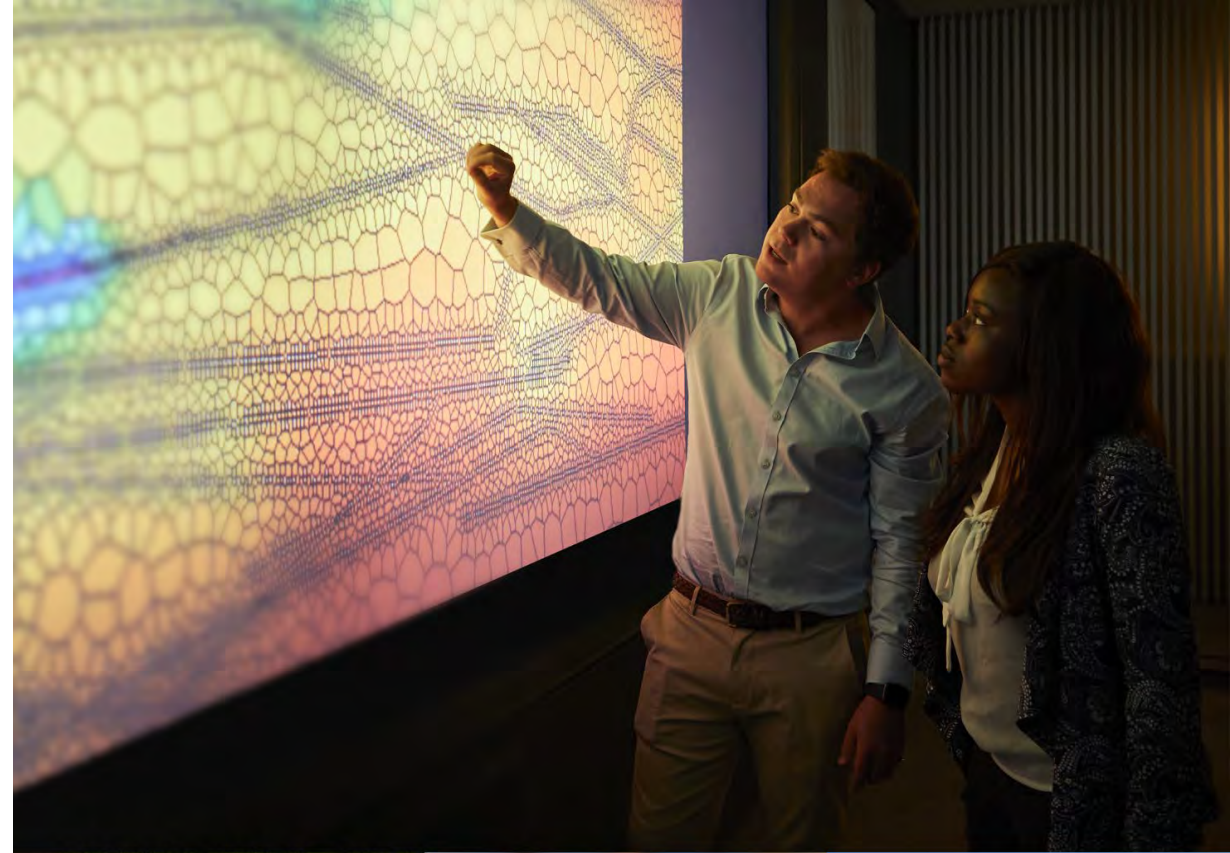
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Desktop Support / VIP IT Support / Service Delivery Manager / Communication / Business System Portfolio Manager / Geomarket Manager / Desktop Services and Mobility Manager / Innovation Manager / Director AI Lab

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

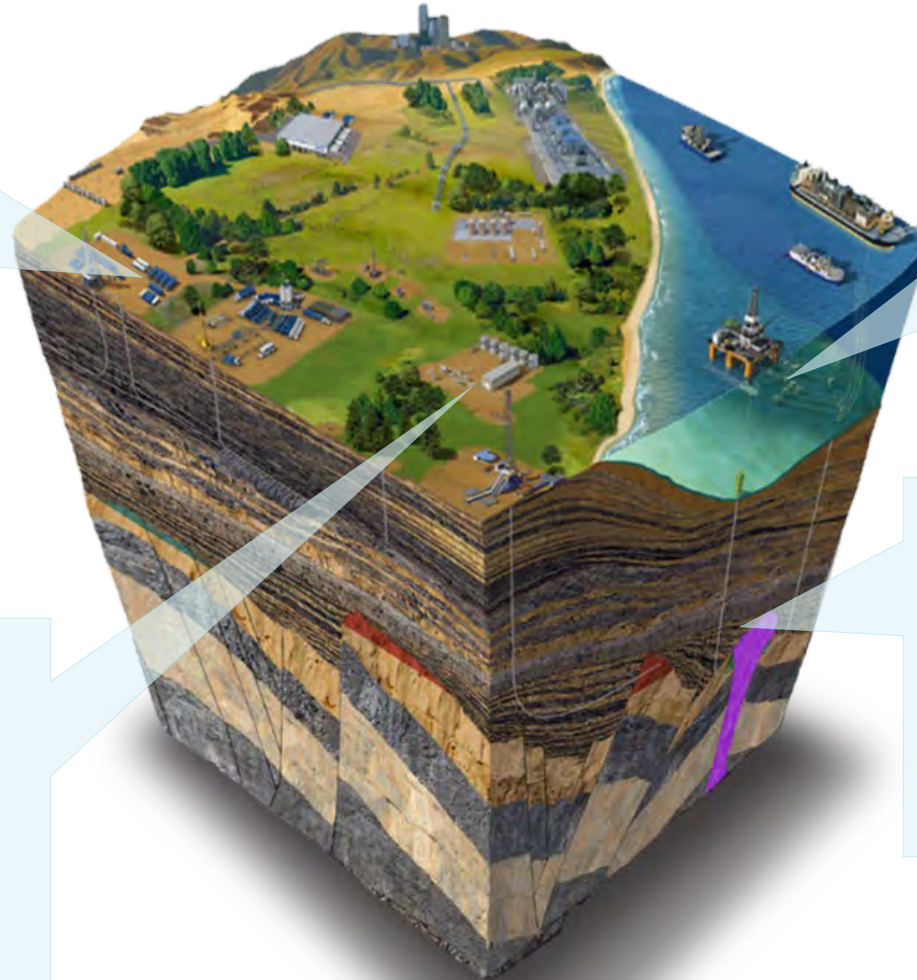
Leading provider of technology to the energy industry

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

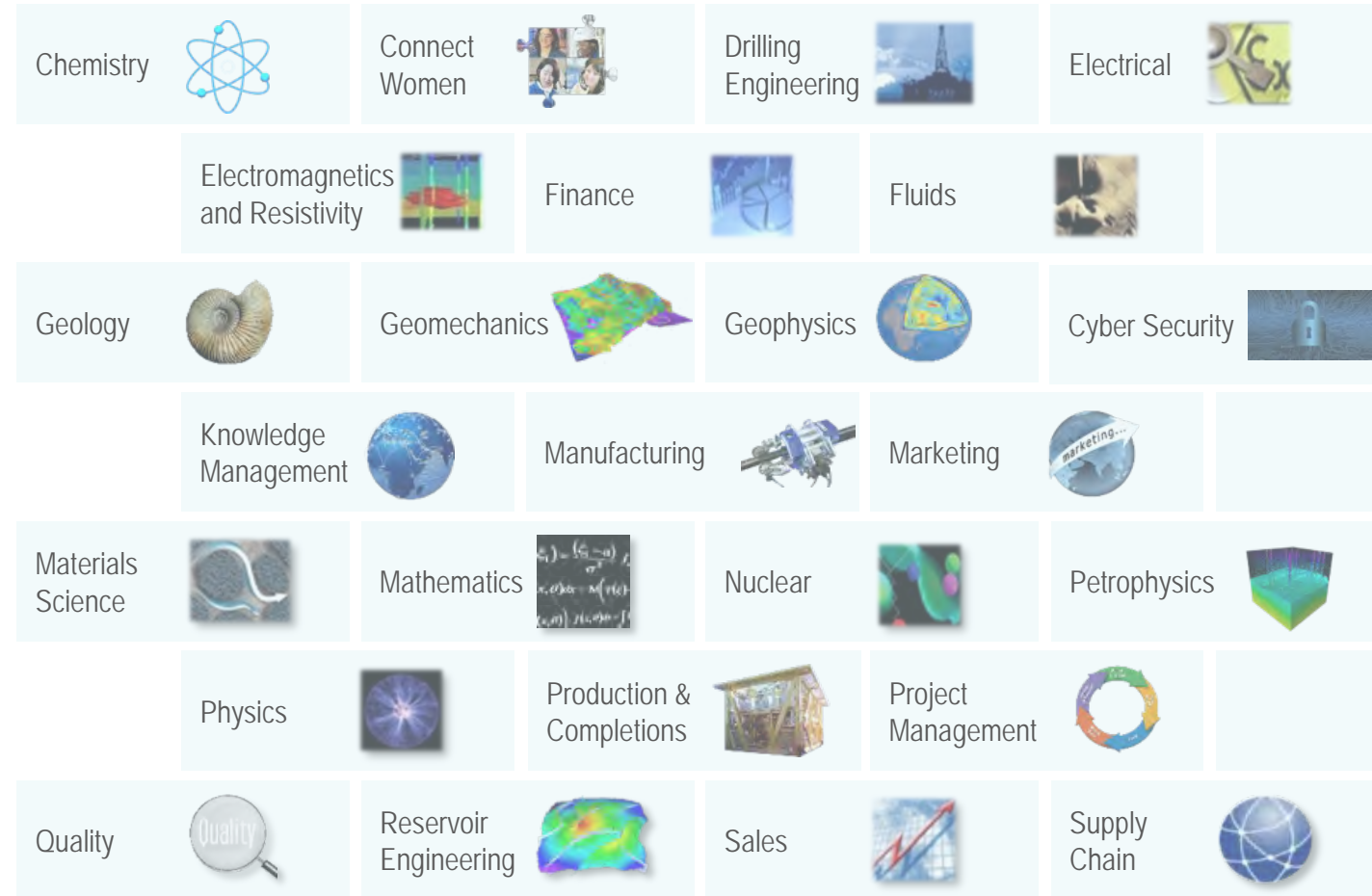
Reservoir Characterization

- Seismic Services
- Wireline
- Well Testing
- Software
- Petro-technical Expert Services

Technology Domain Knowledge

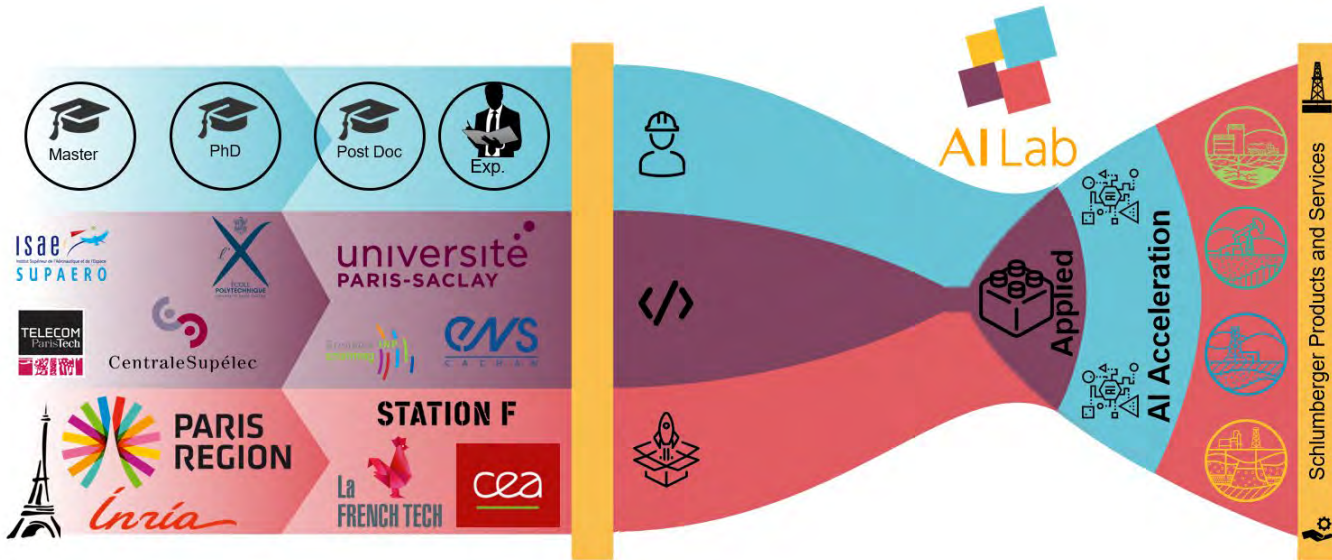
Communities of Practice

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



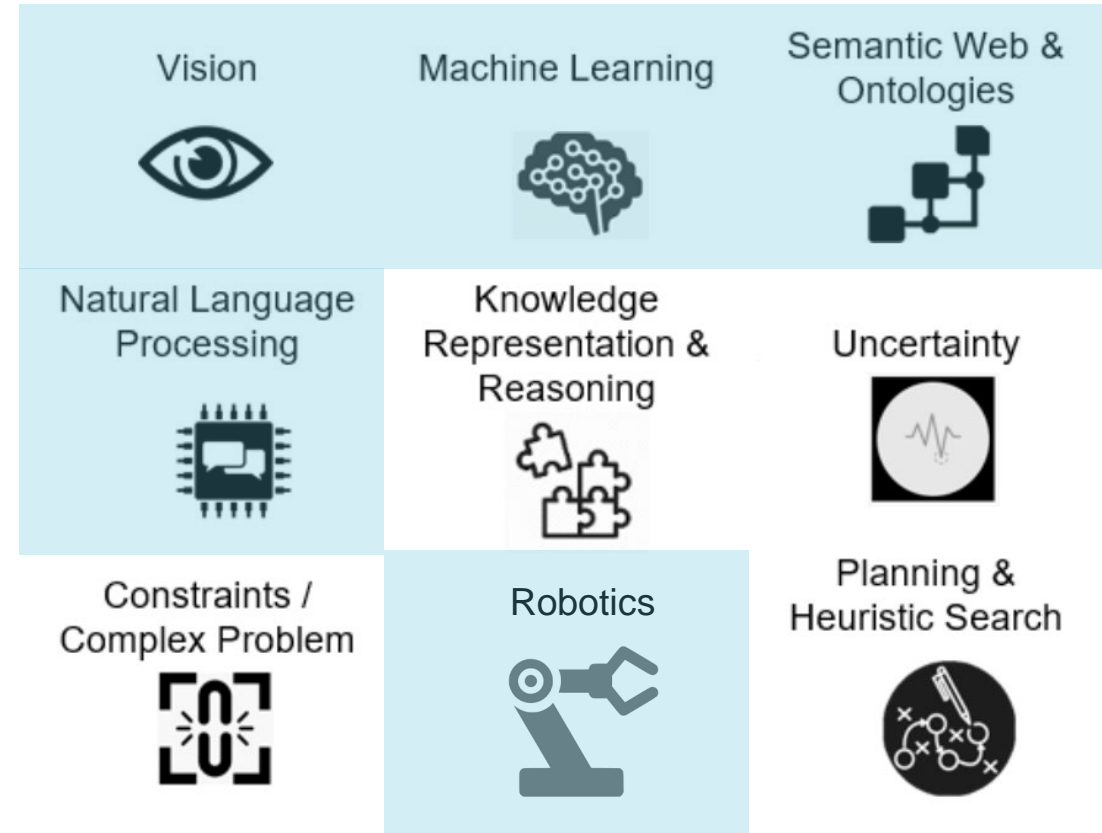
Source: Award from American Productivity & Quality Center

Schlumberger Embedded AI Lab



- Team of 17
- 50% PhD & PostDoc
- 50% Gender Balance

AI domains



Cyber Security Feeds and NLP Challenge



Schlumberger Cyber Security Operation Center

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

Challenges : Volume and Truth

- How to deduplicate topics from feeds
- How to surface long tail
- How to validate information (Fake information)

ML & AI is critical at a SOC level

Assist, Accelerate, Automate

All Security Sources: 2368 item(s), 2367 unread			
/u/lunasalmon	XXE Internal Network HTTP resource scanner	Wed 12/2/2020 2:22 PM	4 KB
/u/Gallus	An iOS zero-click radio proximity exploit odyssey	Wed 12/2/2020 2:22	4 KB
/u/smicallef	Misusing OSINT to claim election fraud	Wed 12/2/2020 11:17	4 KB
/u/csalazars	Don't scan my website I: exploiting an old version of Wappalyzer	Wed 12/2/2020 11:17	4 KB
All Security Sources	Ivanti announces double acquisition of MobileIron, Pulse Secure in zero-trust security push	Wed 12/2/2020 10:30	4 KB
noreply@blogger.com (Ravie Lakshmanan)	Multiple Botnets Exploiting Critical Oracle WebLogic Bug — PATCH NOW	Wed 12/2/2020 10:21	5 KB
noreply@blogger.com (The Hacker News)	CISO with a small security team? Learn from your peers' experience with this free e-book	Wed 12/2/2020 8:47	6 KB
Seth Adler	Mobile Threat Landscape Exploding: Security In Motion	Wed 12/2/2020 8:38	3 KB
/u/breach_house	OpenClinic Version 0.8.2 - High-Risk Security Advisory	Wed 12/2/2020 8:38	4 KB
/u/L1QU1DF1R3	Introducing PyOracle2 - Padding oracle attack tool	Wed 12/2/2020 8:38	4 KB
/u/_vavkamil_	XSSworm.dev ~ Self-replication contest [write-up]	Wed 12/2/2020 8:38	4 KB
/u/Gallus	iOS 1-day hunting: uncovering and exploiting CVE-2020-27950 kernel memory leak	Wed 12/2/2020 8:38	4 KB
/u/devbret	Online OpSec: Threat models and tools for staying safe, private and informed while Online...	Wed 12/2/2020 8:38	4 KB
/u/Oliver-Brimsecurity	Visualizing IP Traffic with Brim, Zeek and NetworkX	Wed 12/2/2020 8:38	4 KB
/u/Gallus	Win by Segfault and other notes on Exploiting Chess Engines	Wed 12/2/2020 8:38	4 KB
/u/parzel	We created a Damn Vulnerable WooCommerce Plugins Environment that helps to practice ...	Wed 12/2/2020 8:38	5 KB
noreply@blogger.com (Ravie Lakshmanan)	Google Hacker Details Zero-Click 'Wormable' Wi-Fi Exploit to Hack iPhones	Wed 12/2/2020 8:19	5 KB
GURUBARAN S	Red Team Research Discovered 6 new zero-day Vulnerabilities in Schneider Electric Struxure...	Wed 12/2/2020 4:38	7 KB
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All Security Sources	Malicious npm packages caught installing remote access trojans	Tue 12/1/2020 8:00 PM	4 KB
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One of the few SOC 2 Type 2 accredited player in the Oil & Gas

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