



## ATTESTATION DE FORMATION

**Pour TCHUENDEM DOCGNE Joyce**

**INTITULÉ DE LA FORMATION :**

« Introduction to quantum computing at TGCC »

**DATES DE FORMATION :**

du 19 au 21 mai 2025

**DURÉE:**

3 jours (24 heures).

La formation est assurée par des membres du CEA, des sociétés Eviden, Pasqal et Quandela. Elle comprend des cours et des TD sur les machines du TGCC.

**LIEU DE FORMATION :**

Teratec, Bruyères-le-Châtel

**CONTENU DE LA FORMATION :**

Day 1 (CEA & Eviden):

- Introduction & presentation on the quantum computing environment at TGCC
- Introduction to quantum computing & quantum programming with Qaptiva
  - Introduction to quantum computing
  - Introduction to PyQASM
  - Discovery of some basic quantum algorithms

Day 2 (Pasqal):

- Introduction to analog quantum computing
  - Analog quantum computing fundamentals
  - Pasqal hardware platform
  - Introduction to Pulser

Day 3 (Quandela):

- Introduction to photonic quantum computing
  - Photonic quantum gates
  - Quantum computing with linear optics
  - Introduction to Perceval

**Bruno FROGÉ**  
*Responsable Support Applicatif*  
CEA - TGCC

A stylized, handwritten signature in black ink, appearing to read 'Frogé'. The signature is written in a cursive, flowing style with a large initial 'F' and a long, sweeping underline.