**APPLICATION DATA SHEET**

**37 CFR 1.76**

**Application Type:** Provisional



**Application Information**

**Title of Invention:** DELIBERATE ERROR TOLERANCE ARCHITECTURE (DETA) FOR ULTRA-LOW LATENCY QUANTUM-INSPIRED THREAT DETECTION WITH CONTROLLED ACCURACY TRADEOFFS

**Attorney Docket Number:** RUTHERFORD-016-PROV

**Filing Date:** [To be assigned by USPTO]

**Application Type:** Provisional Application



**Applicant Information**

**Applicant 1**

**Applicant Authority:** Inventor

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**Inventor:** Yes



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**Application Classification**

**Suggested Classification**

**Class:** 706 - Data Processing: Artificial Intelligence

**Subclass:** 52 - Neural Network

**Alternate Classifications**

1. **Class:** 380 - Cryptography

**Subclass:** 44 - Particular algorithmic function encoding

1. **Class:** 726 - Information Security

**Subclass:** 23 - Intrusion detection

1. **Class:** 398 - Optical Communications

**Subclass:** 45 - Optical computing



**Technology Center**

**Suggested Technology Center:** 2400 (Computer Networks, Multiplex, Cable, and Cryptography/Security)



**Foreign Priority Information**

**No foreign priority is claimed**



**Assignee Information**

**Not Applicable** (No assignment has been made)



**Representative Information**

**Pro Se Inventor** (Inventor proceeding without attorney)



**Domestic Priority Information**

**This application does not claim priority to any prior applications**



**Foreign Filing License**

**The filing of this provisional application does not constitute a request for foreign filing license**



**Certification Statement**

By submission of this Application Data Sheet, the undersigned certifies that:

1. The information provided in this Application Data Sheet is true and correct to the best of my knowledge and belief
2. I understand that any willful false statement made in this document is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five years, or both



**Signature**

**Signature:** /Brian James Rutherford/

**Name:** Brian James Rutherford

**Date:** [Current Date]



**Declaration**

I hereby declare that:

I am the original inventor of the subject matter which is claimed and for which a patent is sought



I have reviewed and understand the contents of the specification and claims



I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56



**Executed:** [Current Date]

**By:** /Brian James Rutherford/