

**Name of the cryptosystem:**

SD in the Head  
Full: Syndrome Decoding in the Head  
Short: SDitH

**Principal submitters:**

Carlos Aguilar Melchor, SandboxAQ  
Slim Bettaieb, Technology Innovation Institute  
Loïc Bidoux, Technology Innovation Institute  
Thibault Feneuil, CryptoExperts  
Philippe Gaborit, University of Limoges  
Nicolas Gama, SandboxAQ  
Shay Gueron, University of Haifa and Meta  
James Howe, SandboxAQ  
Andreas Hülsing, Eindhoven University of Technology and SandboxAQ  
David Joseph, SandboxAQ  
Antoine Joux, CISP  
Mukul Kulkarni, Technology Innovation Institute  
Edoardo Persichetti, Florida Atlantic University  
Tovohery H. Randrianarisoa  
Matthieu Rivain, CryptoExperts  
Dongze Yue, SandboxAQ

**Inventors:** Same as submitters

**Owners:** None (dedicated to the public domain)

**E-mail address:** consortium@sdith.org

**Postal address:**

SDitH Consortium  
CryptoExperts  
41, boulevard des Capucines  
75002 Paris  
France

Signed: Carlos Aguilar Melchor

Date: Feb 2<sup>nd</sup>, 2025

Place: Toulouse

A handwritten signature in blue ink, consisting of stylized, cursive letters that appear to read 'CAR AGU' followed by a flourish.

Signed: Slim Bettaieb  
Date: 04/02/2025  
Place: Abu Dhabi, UAE

A handwritten signature in black ink, consisting of a stylized 'S' followed by a dot.

Signed: Loïc Bidoux

Date: 04/02/2025

Place: Abu Dhabi, UAE

A handwritten signature in black ink, consisting of a stylized 'B' with a horizontal line through it, followed by a long horizontal stroke.

Signed: Thibault Feneuil

Date: Feb 04, 2025

Place: Paris

A handwritten signature in black ink. The word "Thibault" is written in a cursive, slanted style. Below it, the word "FENEUIL" is written in a straight, uppercase, sans-serif font. A long horizontal line underlines the entire signature.

Signed: Philippe Gaborit  
Date: February 2 2025  
Place: Limoges, France

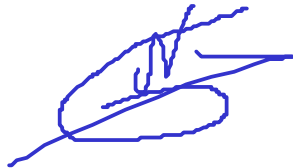
P. Gaborit.



Signed: Nicolas Gama

Date: **Feb. 3 2025**

Place: **Nyon, Switzerland**

A handwritten signature in blue ink, appearing to be 'NG', enclosed within a blue oval. A horizontal line extends from the right side of the oval.

Signed: Shay Gueron  
Date: **Feb. 4, 2025**  
Place: **Haifa, Israel**

A handwritten signature in black ink, appearing to be 'Shay Gueron', written over a diagonal line.



Signed: James Howe

Date: 02/03/2025

Place: London, UK

*James Howe*

Signed: Andreas Hülsing

Date: February 4, 2025

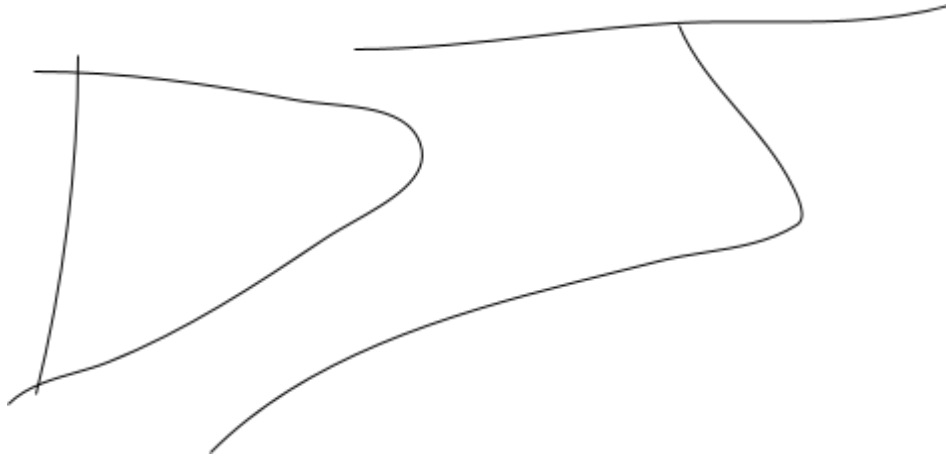
Place: EINDHOVEN

A. Hülsing

Signed: David Joseph

Date: 5 Feb 2025

Place: Hyatt Centric hotel, Arlington, Virginia, U.S.

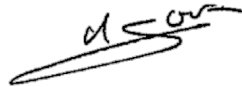
A handwritten signature in dark ink, consisting of a series of fluid, connected strokes. The signature is written in a cursive style, with a prominent vertical line on the left side and a large, sweeping loop that extends to the right.

Signed: Antoine Joux

Date: Feb 6th, 2025

Place: Saarbrücken

Antoine Joux

A handwritten signature in black ink, appearing to be 'AJ' followed by a stylized flourish.

Signed: Mukul Kulkarni

Date: February 4th, 2025

Place: Abu Dhabi, UAE



Signed: Edoardo Persichetti

Date: **02/06/2025**

Place: **Rome**

A handwritten signature in black ink, appearing to read 'Edoardo Persichetti', with a long horizontal stroke extending to the right.

Signed: Tovoherly H. Randrianarisoa

Date: February 6, 2025

Place: Antananarivo

A handwritten signature in blue ink, consisting of stylized, overlapping loops and a long horizontal stroke at the bottom.

Signed: Matthieu Rivain

Date: **Feb 04, 2025**

Place: **Paris**

A handwritten signature in black ink, consisting of several overlapping loops and a central vertical stroke, likely representing the name 'Matthieu Rivain'.



A handwritten signature in black ink, appearing to read 'Dongze Yue', with a stylized flourish at the end.

Signed: Dongze Yue

Date: Feb 3, 2025

Place: Mountain View, California, USA