



13<sup>th</sup> IFAC Conference on Fractional  
Differentiation and its Applications

December 16-18 2025, Algiers, Algeria



## CERTIFICATE OF PARTICIPATION

Proudly presented to

**Abdelhakim Idir**

for the valuable scientific contribution and for presenting the paper entitled:

**"Enhanced Temperature Control of Electric Furnaces Using  
MFPA Optimized Fractional-Order PIDA Controller"**

during the event held on  
16th – 18th December 2025 in Algiers, Algeria.

**Author(s): A.Idir, Y.Bensafia, K.Benaouicha, M.Nesti**



← ⌂ https://www.sciencedirect.com/journal/ifac-papersonline

IFAC-PapersOnLine

1.8  
CiteScore

Articles & Issues ▾ About ▾ Publish ▾ Order journal ▾ Search in this journal Guide for authors

---

 **IFAC**  
INTERNATIONAL FEDERATION  
OF AUTOMATIC CONTROL

## About the journal

Formerly known as [IFAC Proceedings Volumes](#);

In co-operation with IFAC

All papers from IFAC meetings (where IFAC is the main sponsor) are published, in partnership with Elsevier, the IFAC Publisher, in the [IFAC-PapersOnLine series](#) hosted at the [ScienceDirect](#) web service.

The [IFAC-PapersOnLine series](#) has the following main features:

- Diamond ...

[View full aims & scope](#) FEEDBACK