

CERTIFICATE

This is to certify that

**Olena Kopishynska, Yurii Utkin, Igor Sliusar, Mykola Somych,
Viktoriia Danylenko, Tetiana Diadyk, Iryna Zahrebelna**

has contributed a paper titled

**Expansion of Customer Relationship Management Functionality using
Recurrent LSTM Networks for Automation Demand Forecasting**

in the

**9th International Conference on
Information and Communication Technology for Intelligent Systems**

The paper has also been selected for publication in the (ICTIS) Conference as per fulfilment of guidelines issued by Springer.



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