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AP-S/MTT-S Joint Chapter

**IEEE EGYPT AP-S / MTT-S JOINT
CHAPTER**

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**INTERNATIONAL CONFERENCE ON
FUTURE TELECOMMUNICATIONS AND
ARTIFICIAL INTELLIGENCE
(IC-FTAI'2024)**

**DECEMBER 31,
2024, TO
JANUARY 2, 2025**

**THE GRAND PLAZA
HOTEL,
ALEXANDRIA,
EGYPT**







Recurrent Neural Networks

- RNNs are considered ideal for capturing correlations between observations over time
- However, training for long sequences can lead to vanishing or exploding gradients
- Therefore, variants like LSTM and GRU solve gradient problems using gates and memory cells. And effectively learn the temporal dependencies.





Click 7 bearings from a set which have been tested under certain test conditions

- In each set, 3 bearings out of 7 are for training, and the rest are for testing

Parameters	1	2	3
Load (N)	400	400	400
Speed (rpm)	1000	1000	1000
Training	0.1	0.1	0.1
Validation Time	0.1	0.1	0.1









Pearl اللؤلؤة
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Special Thanks to Prof. Dr. Yasser Madany





A man in a light-colored shirt and glasses is standing at the front of the room, gesturing with his hands as if presenting. He is positioned to the left of the projection screen.

A woman in a blue jacket is standing near the front of the room, looking towards the audience. She is positioned to the right of the man presenting.

























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Agencija za
informatiku
i komunikaciju
u Ministarstvu
zdravlja
Prof. Dr. Sc. M. H. H. H.























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