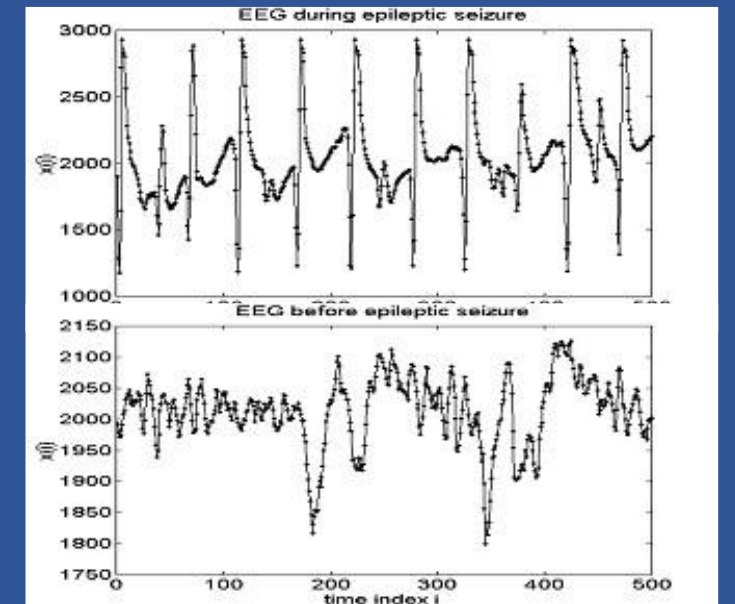
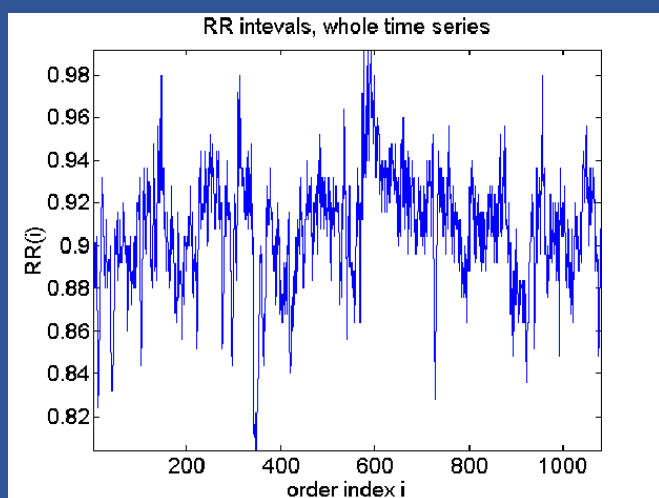




## Seminar for Biomedical Engineering students

# Linear modeling of Biomedical Time Series



### Seminar description

Speaker:

*Prof. Dimitris*

*Kugiumtzis, Ph.D.*

*Aristotle University of  
Thessaloniki, Faculty of  
Engineering,  
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The seminar will introduce the following topics:

- Characteristics of univariate time series (stationarity, autocorrelation, partial autocorrelation).
- Linear models of univariate time series: autoregressive moving average (ARMA), integrated autoregressive moving average (ARIMA)
- Prediction of time series
- Hands-on biomedical time series (use of Matlab).

### Information for the students

- The registration is mandatory, using the following form: <https://forms.gle/MimGXg5DVuWMCetZA>
- For further information, please contact the organizers of the seminar, Prof. Antonacci ([yuri.antonacci@unipa.it](mailto:yuri.antonacci@unipa.it)) and Prof. Pernice ([riccardo.pernice@unipa.it](mailto:riccardo.pernice@unipa.it))
- B.Sc. Students in Biomedical Engineering (enrolled at least at 2<sup>nd</sup> year) who will attend to the seminar and pass the final test will be granted **0,5 CFU**.

24 March 2025

14.30-17.30

Aula O011, Building 8

Department of Engineering, Viale delle Scienze