



**AMASES XLV**  
*remote mode*

**45<sup>th</sup> Annual Meeting of the AMASES**  
***Reggio Calabria, September 13-18, 2021***

***Parallel session***

***“Pandemic issues and crisis management: modeling by artificial intelligence, machine learning and dynamical systems”***

***September 16, 2021***

***Program***

***Afternoon session - [Virtual room](#)***

- 15:00 *chair: Massimiliano Ferrara*
- 15:05 Soheil Salahshour, Ali Ahmadian and Massimiliano Ferrara:  
“A novel Fuzzy dynamic expert system applied in economic with pandemic situations”
- 15:30 Federico Severino, Marzia A. Cremona and Éric Dadié:  
“COVID-19 effects on the Canadian term structure of interest rates”
- 15:55 Alessandra Buratto, Maddalena Muttoni, Stefan Wrzaczek and Michael Freiberger:  
“Should the COVID-19 lockdown be relaxed or intensified in case a vaccine becomes available?”
- 16:15 Tiziana Ciano and Massimiliano Ferrara:  
“Fuzzy fractional-order model and COVID-19 dynamics”
- 16:40 Massimiliano Ferrara and Domenica Stefania Merenda:  
“On Treating a Fractional Order Mathematical Model of COVID-19 and its variants Via Haar Wavelet Method”

***Organizers:***

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