



**AMASES XLV**

*remote mode*

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

*Parallel session*  
**“Optimal Control and Dynamics”**

**September 15, 2021**

**Virtual Room**

**Program**

***Morning session***

- 09:00 *chair: Bruno Antonio Pansera*
- 09:05 Bahrom Samatov, Mahmud Horilov and Ulmasjon Soyibboev:  
“Differential game: lifeline in the Pontryagin control example”
- 09:30 Gafurjan Ibragimov and Sarvinoz Kuchkarova:  
“Pursuit and Evasion Differential Games for an Infinite System of 2-systems of Differential Equations”
- 09:55 Akbarshoh Muhammadjonov, Tulanboy Ibaydullayev and Gafurjan Ibragimov:  
“Pursuit differential game problem on dodecahedron”
- 10:15 Gafurjan Ibragimov, Azamat Holboyev, Tulanboy Ibaydullayev and Adkham Khaitmetov:  
“Pursuit-evasion game on the graph of 1-skeleton of the icosahedron”
- 10:40 Coffee Break
- 10:50 Vladislav Taynitskiy, Elena Gubar, Laura Policardo and Edgar Sanchez Carrera:  
“Optimal Lockdown Strategies driven by Socioeconomic Costs”
- 11:15 Abdulla Azamov and Azamat Holboyev:  
“Dynamic Search on the Edges of the Graph”
- 11:40 Akmal Mamatov:

“Algorithm of solution of one game of two persons”

- 12:05 Salim Otakulov and Feruza Kholiyarova:  
“The optimal control problem of an ensemble of trajectories of differential inclusion with delay under terminal constraints”
- 12:30 Holmurodjon Qo'Shaqov and Akbarshox Muhammadjonov:  
“Representation of the solution of one dynamical system on the plane”
- 12:55 Lunch Break

### *Afternoon session*

- 15:00 *chair: Massimiliano Ferrara*
- 15:05 Abdulla Azamov, Tulanboy Ibaydullayev and Gafurjan Ibragimov:  
“Differential games of many players on the 1-skeleton of a regular simplex”
- 15:30 Bahrom Samatov, Adahambek Akbarov and Bahodir Jurayev:  
“Differential Games with Gronwall Type Constraints on Controls”
- 15:55 Vladislav Taynitskiy, Elena Gubar, Denis Fedyanin and Ilya Petrov:  
“Effectiveness of protection measures in clustered epidemic model with intralevel migration”
- 16:20 Bruno Antonio Pansera, Mariangela Gangemi, Luca Guerrini and Massimiliano Ferrara:  
“Dynamics in energy models: the transportation network and its involving role”
- 16:45 Coffee Break
- 17:10 Francesco Cordoni and Fabrizio Lillo:  
“From Optimal Execution to Transient Impact Model: A Theoretical Insight”
- 17:35 Massimiliano Ferrara, Bruno Antonio Pansera and Pasquale Fotia:  
“Research Dynamics in Western Balkans and the impact of EU enlargements on Science and Innovation by a Network Analysis Model”
- 18:00 Mehdi Salimi:  
“Pursuit of One Evader by a Group of Pursuers”

### *Organizers:*

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