SECURITY THREATS IN ONLINE **METASEARCH** BOOKING

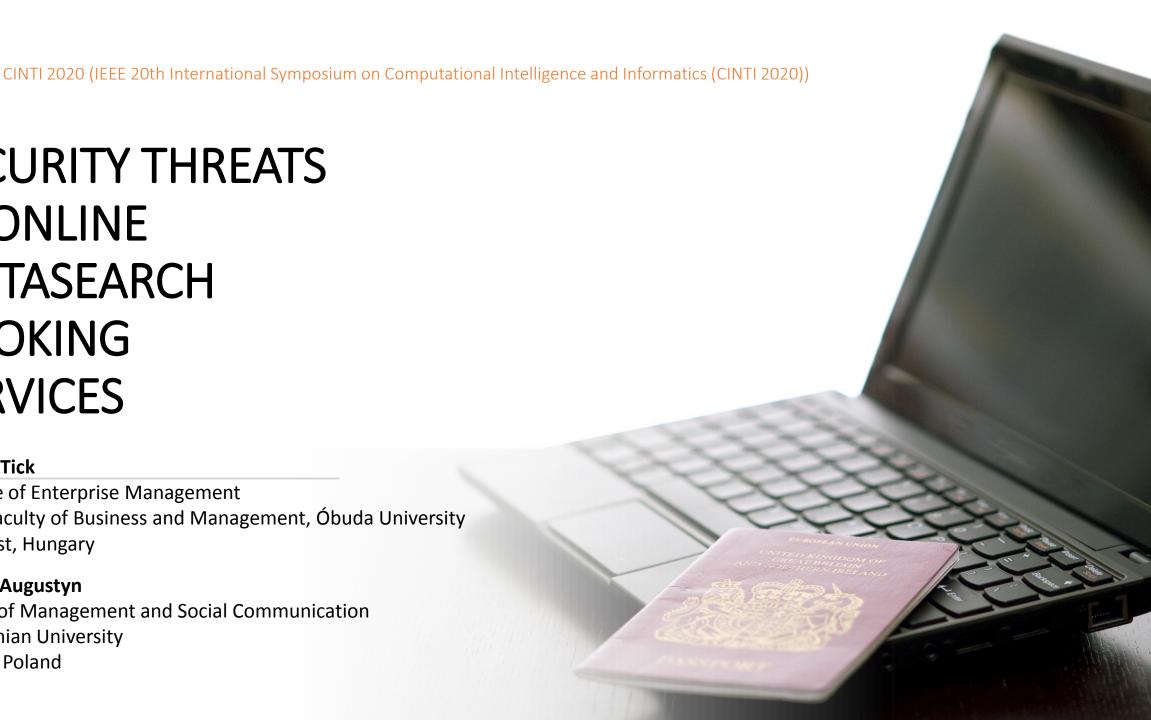
Andrea Tick

SERVICES

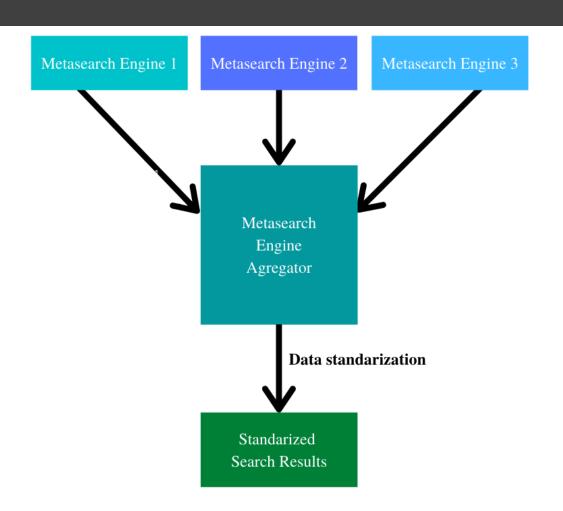
Institute of Enterprise Management Keleti Faculty of Business and Management, Óbuda University **Budapest**, Hungary

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AGGREGATED METASEARCH ENGINES



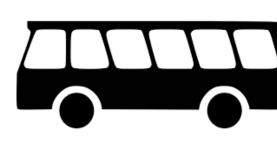
- Multiple databases
- Data standardization
- Data filtering
- Standarized search results











METASEARCH ENGINES IN BOOKING SERVICES

- Transport
- E-commerce
- Health services
- Tourism
- Rental services
- Finances

APPLICATION OF METASEARCH ENGINES IN BOOKING SERVICES



OF FEATURES OF SERVICE



COMPARISON OF PRICE



FILTERING THE SEARCH RESULTS



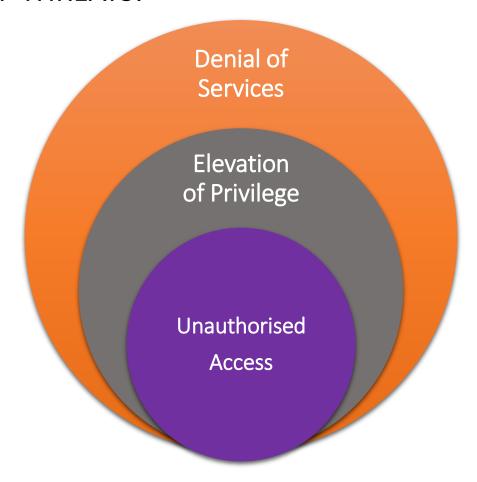
SCOUTING AVAILIBILITY



FEEDBACK TO THE SERVICE PROVIDER

SECURITY THREATS FOR BOOKING METASEARCH ENGINES

TYPES OF THREATS:



UNIQUE SECURITY THREATS ARE RELATED TO:

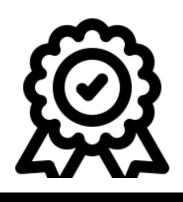
- Metasearch engine using multiple data sources (different service providers)
- External elements of infrastructure enforcing user
 to use a proxy (e.g. payment services, geolocalization)
- Securitization of end users of other service providers (redirections)
- Securitization of end users of different operation systems (mobile & desktop OS, updates)









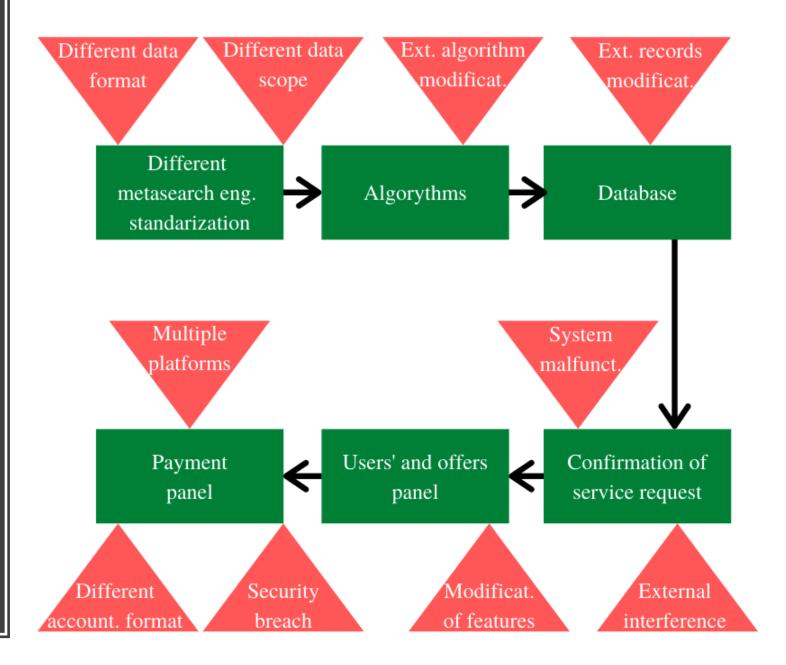




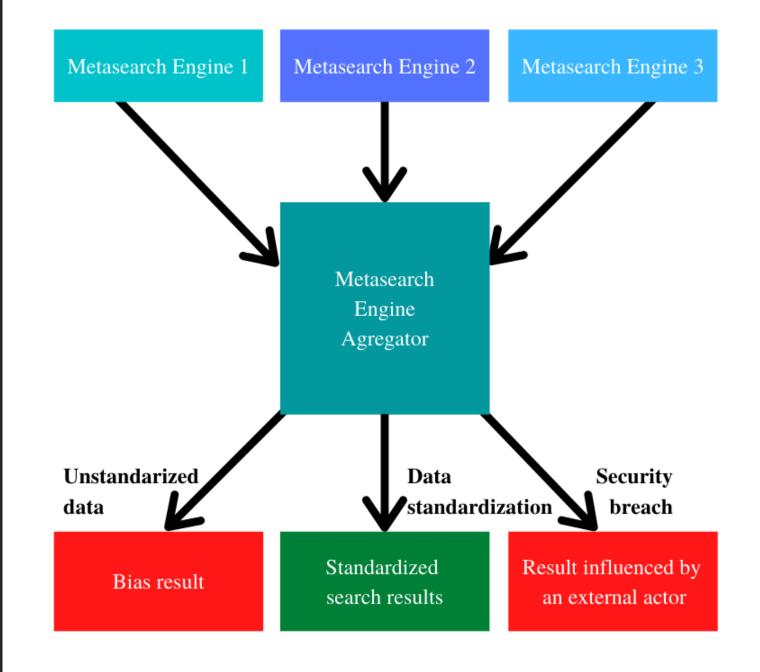
- Personal data protection
- Financial assets security
- Anonymity of information
- Service quality
- Misleading of users
- Miscommunication or lack of communication



VULNERABLE
POINTS OF ONLINE
METASEARCH
BOOKING SERVICES
SECURITY AND
FUNCTIONALITY



Three possible outcomes of data aggregation through metasearch engines





Good practices in system security

- Monitoring of activity of internal and external users
- Reception of an unauthorised access to the system features and databases
- Prevention of any unverified modifications in platform infrastructure

Preventive measures

- Software-based security measures
- Hardware-based security measures
- User-based security measures

Significance of metasearch engines security in online booking services

