


No: ...	Székely Family & Company Ltd. (SIC)		
Contact Person:	Székely-Keresztesi Orsolya	E-mail:	info@szekely.family
Organisation type:	Start-up (SME, for-profit)	Web:	www.szekely.family
Profile of the organization (short description):			
	<p>Recognizing the gap between end-users (the market) and research and innovation actions, founded by a family with a vision to provide a safe, secure and sustainable future for our children via responsible research, innovation and development actions, the Székely Family & Company Ltd. based in Budapest, Hungary supports its partners through joint projects or provides external, complementing services. The core team has sound expertise in the EU Framework Programmes (FP7 and H2020) as well as other research, innovation and development programs in the international (and national) community, such as European Space Agency's Business Applications and Space Solutions (technology transfer and business incubation) program or UNDP supporting projects. The main service is supporting dialogue between end-users, research and industrial partners, thus supporting creation of sound, tangible project results with real impact. For example, the team has expertise in organizing large-scale (1000+ participants) drills or simulations as well as thorough and realistic tabletops to validate results or solutions. In addition, it possesses strong educational and training skills, ranging from lecturing at higher education to basic training for law enforcement officers, also including high-level capabilities of teaching English for foreign speakers, supporting next generation learning strategies of the youth by AR, VR, gamification and blended learning solutions. The team is experienced in acting as Data Protection Officers or as external data protection experts, this can help overcome difficulties most security research actions certainly meet during the validation.</p>		
Main Tasks to be involved:			
<p>Székely Family & Company contributes with:</p> <ol style="list-style-type: none"> 1. coordinating end-users and supplying the project with discussed, developed and realistic end-user statement of needs; 2. regularly organizing and moderating end-user workshops or joint workshops with end-users and industrial partners; 3. planning and organizing validation actions with end-users, including large-scale drills or tabletop simulations; 4. participating in exploitation of project results by helping IP management, initiating technology transfer, or co-founding and supporting a new start-up including fundraising; 5. communicate the project on different media channels, on third party workshops and conferences; 6. disseminate project results through scientific publications on different languages; 7. ensure appropriate ethical and legal framework for project implementation, including necessary documents (eg. Data Management Plan) and delegating Project Security Officer; 8. participate in standardization, especially in the field of ISO 31000 family; 9. develop a training package for the developed product or learning content from the project results. 			

Main achievements relevant to the call:

Keeley, Crockett ; Székely, Zoltán ; James, O'shea ; Lukasz, Szklarski ; Anna, Malamou ; Georgios, Boulதாகის

Do Europe's borders need multi-faceted biometric protection?
Biometric Technology Today 2017 : 5 pp. 5-8. , 4 p. (2017)

Klimek, Peter ; Varga, János ; Jovanovic, Aleksandar S. ; Székely, Zoltán

Quantitative resilience assessment in emergency response reveals how organizations trade efficiency for redundancy
SAFETY SCIENCE 113 pp. 404-414. , 11 p. (2019)

Székely, Zoltán

Robots and the power of arrest
KRITISCHE ZEITEN: ZEITSCHRIFT FUR HUMANWISSENSCHAFTEN 2017 pp. 39-49. , 11 p. (2017)

Nagy, Judit ; Székely, Zoltán

Police Robots and the Prüm Convention: Compliance Study on Police Robots and Freedom of Information
In: Korondi, Péter (szerk.) Proceedings of ARES'14 : Workshop on Application of Robotics for Enhanced Security
Budapest, Magyarország : BUTE, (2014) pp. 16-20. , 5 p.

Székely, Zoltán

Schengen: At the Border and Beyond: Past, present and future
In: NISPAcee (szerk.) Government vs. Governance in Central and Eastern Europe: From Pre-Weberianism to Neo-Weberianism? Presented Papers from the 22nd NISPAcee Annual Conference
Pozsony, Szlovákia : NISPAcee, (2014) Paper: SZZ_Schengen , 7 p.

Participation in relevant EU projects:

Székely Family & Company Ltd. is a start-up and therefore it was not yet involved in any project as a consortium member. However, the predecessors of the company and the members of the team were involved in the following projects:

1. H2020 Smart mobility at the European land borders
2. H2020 Autonomous swarms of heterogenous robots for border surveillance
3. H2020 Intelligent Portable Control System
4. H2020 Smart Resilience for Smart Critical Infrastructure
5. ESA TTD Satellite information for border security (SUPERB)
6. ESA TTD Drone Detection and Ranging Technology (DDRT)
7. ICMPD Eastern Partnership Cooperation in the Fight against Irregular Migration – Supporting the Implementation of the Prague Process Action Plan (EaP-SIPPAP)
8. DESTRIERO FP7
9. Implementation of Integrated Border Management for Turkey (EU Twinning)

Personnel Involved:

Székely-Keresztesi, Orsolya (Female) is the CEO of the company. Originally qualified as a TEFL teacher, she has 9 years of teaching experience, mostly English as a second/foreign language and proficient in producing and reviewing Business and Academic English texts, worked for the Hungarian Academy of Sciences as language support specialist. Completing an education in gamification at Wharton School, University of Pennsylvania, she is well trained in use of gamification and e-learning tools. Has more than 10 years of experience in tabletop simulations and role-playing drills. Also trained as master farmer, she has insight in food chain security and disaster resilience for agriculture including animal and plant health. Participated in border control related Horizon 2020 and Polish national projects and in a border surveillance related space technology transfer demonstrator project. She is speaking English (C1), German (B2) and Hungarian (mother tongue).

Székely, Zoltán (Male) is qualified as a lawyer, having undertaken the Bar Exam. He has 20 years of policing and management experience, both operationally, serving 13 year in the border policing department and in the provision of training commissioned law-enforcement officers at National University of Public Service, Faculty of Law Enforcement (6 years). Starting his professional law enforcement career as a border guard sergeant and retiring as a police major, he has thorough expertise in law enforcement end-user activities. He participated in numerous joint operations, exercises and later international support, development or research and innovation projects around the globe. After leaving the corps he joined the European Space Agency Business Incubator in Hungary and gained experience in business incubation and technology transfer. He is speaking English (C1), German (B2), Romanian (B1) and Hungarian (mother tongue).

Zsákai, Lénárd (Male) He graduated from National University of Public Service – Faculty Of Law Enforcement as border policing manager. Having advanced English language exam, good communication and drafting skills as well as good team building skills and management experiences gained being a platoon commander for 3 years. Also participated in handling the migration crisis at the borders of south Hungary, he gained experience in border policing under special circumstances. He is author of a Scientific Dissertation [Safety systems based on biometric identification, present and future of using them in law enforcement] .His most relevant rewards are Written Praise for being an active member of Saint George College; Dean’s praise for exemplary commander activity; Special award at Council of National Scientific Students Associations; 3rd place at Council of Scientific Students’ Associations in University.

Rita, Schmidt (Female) She graduated as an andragogist at King Sigismund University, on adult education manager specialization. She is an adult education expert, responsible for building training curricula, planning and administering education and training, operating the training quality assurance system. She has also knowledge in social sciences such as psychology, sociology, philosophy. Main area of research is training of robot operators. She studied the operator training of police, military and medical robots and has deep knowledge of the basic and public rules of drone operator trainings. Conducting research on the impact of web 3.0 and web 4.0 on adult learning habits, she has insight in MOOC and other e-learning solutions. She is speaking English (B2), and Hungarian (mother tongue).

Significant Infrastructure and Equipment:

Székely Family & Company

- operates a small business incubator and coworking space in Budapest, close to the international airport and to a main transportation hub (KöKi),
- has the required infrastructure and equipment, including encryption tools to process classified information at EU RESTRICTED level.

In addition, the company has sound record in working with end-users in the field of security on research and innovation projects, for example:

- Hungarian National Police
- Hungarian General Directorate for Disaster Management
- Hungarian Civil Protection Association
- Hungarian Customs and Tax Authority
- Budapest Airport Security
- Romanian Border Police
- Bulgarian Border Guard
- Portuguese Judicial Police
- Police Service of Northern Ireland
- Airpol
- Frontex
- CEPOL