Curriculum vitae

Informaţii personale

Nume/Prenume	**DR. SZÉKELY, SÁNDOR**
Adresa	85579 Neubiberg, Prof-Messerschmitt-Str. 6
Telefon	Mobil: +49-162-4122469
E-mail	sandor.szekely@ms.sapientia.ro
Cetăţenia	Germană
Data şi locul naşterii	11.04.1970, Târgu-Mures
Funcţia şi locul de muncă (universitatea, facultatea, catedra)	Lector universitar (2013 – prezent) Universitatea Sapientia Cluj Napoca Facultatea de Ştiinţe Tehnice şi Umaniste, Târgu Mureş Catedra de Inginerie Electrică

Educaţie şi formare

- Cadru didactic asociat cu plată, Universitatea Sapientia EMTE, Târgu-Mures, România, 2006 – 2012;
- Doctor în electronică şi telecomunicaţii, Diploma Ph.D. (2005), Şcoala doctorală – Universitatea Tehnică si Economică din Budapesta, Ungaria, 1995 – 2000;
- Inginer electronică, Universitatea Tehnică din Timişoara, Facultatea de Electrotehnică si Telecomunicaţii, 1989-1995;
- Liceul de Matematică-Fizică Bolyai Farkas, Târgu-Mures, 1984 - 1988.

Experienţa profesională

- CMO, Birdwatcher Zrt., AI-enabler Poultry Robotics, Ungaria, 2026 - prezent
- Conferenţiar universitar asociat onorific, Univ. Tehnică şi Econ. Budapesta, Ungaria, 2017 - prezent
- Business Consultant Manager, EPAM Systems, Germania, 2021- 2024
- Marketing Manager, Head of Video Innovations, Huawei Technologies, Germania, 2014 – 2018
- CTO, Gravity R&D, Recommender Systems, TV & Media, Ungaria, 2012 - 2014
- Head of Partner Management IPTV, Nokia Solutions Networks, Germania, 2009 - 2012
- Product Manager Service IPTV, Nokia Siemens Networks, Germania, 2006 - 2009
- Bid Manager, Convergenta Fix-Mobil, Siemens Communications, Germania, 2004 - 2006
- Inginer integrare de sisteme de bandă largă, Siemens Wireline Networks, Germania, 2000 - 2004

Alte funcţii deţinute (nedidactice)

- Proiect Manager, Reţele de bandă largă ATM, HSNLab, Ericsson R&D, Ungaria, 1998-2000

Limbi străine cunoscute

Nivel vorbit/scris:

Engleză – nivel avansat (v/s),
Germană – nivel avansat (v/s),
Romană – nivel avansat (v/s),
Franceză – nivel începător (v/s),
Maghiară – limba maternă

Activitatea didactică (cursuri, seminarii, lucrări practice conduse**)**
Cursuri (2013 – prezent) la Universitatea Sapientia EMTE, Târgu-Mureş, România:
Tehnologii de comunicaţii radio şi microunde,
Reţele de telefonie IP,
Sisteme de televiziune şi video,
Sisteme de comunicaţii mobile
Lucrări practice (2006-2012) la Universitatea Sapientia EMTE, Târgu-Mureş, România:
Reţele de telefonie IP,
Sisteme de televiziune şi video
Cursuri (2017 – prezent) la Universitatea Tehnică şi Economică din Budapesta, Ungaria, cu predare în limba Germană:
Kommunikationsnetze Teil 2 (Reţele de comunicaţii)
Cursuri (1996 – 2000) la Universitatea Tehnică şi Economică din Budapesta, Ungaria, cu predare în limba Engleză:
Telecommunications (Telecomunicaţii),
Computer Systems (Sisteme de Calculatoare),
ATM Networks (Reţele ATM).

Domeniul de cercetare

- Cercetarea noilor metode, introducerea inteligenţei artificiale (AI) şi aplicații în rețelele mobile 5G/6G de telecomunicații, robotica şi IoT, mai ales în legătură cu aplicații în domeniul „AI-based smart and sustainable agriculture"
- Evaluarea performanţelor, modelarea şi optimizarea prelucrării apelurilor în rețelele de telecomunicații de bandă largă.
- Metode tehnologice avansate în sistemele de televiziune şi video prin internet şi în cloud.
- Metode de comunicări eficiente cu echipamente IoT de acasă, bazate pe voce şi gesturi. Definirea procesului şi a unui vocabular de comenzi eficiente pentru navigare printre programe şi recomandări. Introducerea inteligenţei artificiale (AI) în aceste procese pentru accelerarea şi eficientizarea proceselor.

Membru în organizaţii ştiinţifice şi profesionale
Institute of Electrical and Electronics Engineers (IEEE) din 1997.

Membru în colective de redacţie
--- NU ---

Lista de lucrări

Numele şi prenumele: SZÉKELY, SÁNDOR

A. Teza de doctorat.

Titlul:
Evaluarea performanțelor, modelarea și optimizarea prelucrării apelurilor în rețelele de telecomunicații de bandă largă
Conducătorii tezei:
Sándor Molnár, Ph.D., Universitatea de Tehnologie și Economie din Budapesta
Béla Frajka, Ph.D., Universitatea de Tehnologie și Economie din Budapesta
Oponenți:
István Kerekes, Ph.D., Ericsson AB, Ungaria
József Harangozó, Ph.D., Universitatea de Tehnologie și Economie din Budapesta
Denumirea exactă a instituţiei unde s-a realizat teza:
Universitatea de Tehnologie și Economie din Budapesta
Departamentul de Telecomunicații Informatică și Mass-media
Calificativul obţinut: "cum laude"
Datele de identificare a publicației: Diploma No.1519-PhD
http://www.doktori.hu/index.php?menuid=193&vid=8450&lang=EN

B. Cărti publicate

B1. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate la edituri recunoscute în străinătate.

--- în curs de preparare --- Ghid technic de îndrumare pentru începători în sistemele moderne de televiziune şi video (Eng.)

B2. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în ţară, la edituri recunoscute CNCSIS.

--- în curs de preparare --- Ghid technic de îndrumare pentru cei avansaţi în sistemele moderne de televiziune şi video (Mag.) – Termen: Decembrie 2026

B3. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate la alte edituri sau pe plan local.

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B4. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe web.

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B5. Capitole de cărţi publicate în străinătate

S. Székely, C. Simon and T. Cinkler (2026), "AI and 5G-Enabled Agriculture for Sustainability and Climate Action: A Project Blueprint for the SDGs", in: Using Artificial Intelligence to Tackle Sustainable Development and Climate Change Challenges (Ed. Walter, Leal Filho et al.), Springer Nature, ISBN 978-3-032-34039-9, https://link.springer.com/book/9783032340399.

B6. Capitole de cărţi publicate în ţară

--- NU ---

C. Lucrări ştiinţifice publicate

C1. Lucrări ştiinţifice publicate în reviste cotate ISI

--- NU ---

C2. Lucrări ştiinţifice publicate în reviste indexate în baze de date internaţionale.

[J-5] **S. Szekely**, L.O. Iheme, F. O'driscoll, D. Kypuros, V. Pang, G. Shmigelsky: Scalable Architecture and Intelligent Edge with 5G-Advanced, MEC, IoT, UAVs and AI for a Sustainable Agriculture and Food Operations, NEVU JEA - JOURNAL OF ENGINEERING AND ARCHITECTURE, pp. 1-15, appeared on 31.12.2025, RG Research Index Score: **RIS = 18.6** (as of 26.09.2026).

[J-4] A. El Adnani, **S. Székely**: Value based model for optimizing broadband access networks - simulation model for triple play solution, Journal of A.M.S.E., Advances in Modelling, Series D, Computer Science and Statistics, Vol. 15, Issue 1, 2010, pp. 1-15, http://www.amse-modeling.com

[J-3] **S. Székely**, G. Szűcs, Cs. Simon, I. Moldován, S. Molnár: On the Impact of Link/Node Failures and Network Applications on the Load and Call Processing Times in ATM Networks, Periodica Polytechnica Electrical Engineering, Journal of the Budapest University of Technology and .Economics, Vol.46, No.1-2, 2002, pp. 99-122, http://www.pp.bme.hu/ee/2002_1/pdf/ee2002_1_06.pdf, (full paper download in PDF) http://citeseerx.ist.psu.edu/viewdoc/summary?doi=10.1.1.10.5648 (Indexed by citeSeerX)

[J-2] I. Cselényi, P. Haraszti, **S. Székely**: The First Hungarian ATM Pilot Network, Selected Papers from the Hungarian Telecommunication Periodical (in English), 1997, pp. 6-10, http://130.203.133.150/showciting;jsessionid=D0B76741C8C24E477A7FC62E7BDE3836?cid=5383698 (Indexed by citeSeerX)

[J-1] A. Faragó, S. Blaabjerg, W. Holender, B. Stavenow, T. Henk, L. Ast, **S. Székely**: Enhancing ATM Network Performance by Optimizing the Virtual Network Configuration, Chapman&Hall Publisher (eds. R. Onvural, H. Perros), Istanbul, Turkey, 1995, pp. 401-414, *available at DBLP Uni-Trier and at*

http://www.researchgate.net/publication/221091935_Enhancing_ATM_Network_Performance_by_Optimizing_the_Virtual_Network_Configuration (Indexed by ResearchGate)

C3. Lucrări ştiinţifice publicate în reviste din străinătate (altele decât cele menţionate anterior).

[H-5] T. Cinkler, Cs. Simon, Ö. Szabó, **S. Székely**, Cs. Jakab: 5G hálózatok architektúrája - The architecture of 5G networks, Hiradástechnika, Vol. LXXI, 2016

http://www.hte.hu/documents/10180/1727937/HT_2016-1_MJIK2015_6_Cinkler_Simon_Szabo_Szekely_Jakab.pdf

[H-4] **Székely S.**, Kis Sz. M.: Adatátviteli teljesítményvizsgálat szimmetrikus DSL berendezéseken, Híradástechnika, Vol. LIX, szeptember 2004, pp. 48-57 (in Hungarian)

[H-3] Szűcs G., **Székely S.**: Hívásszintű teljesítmény-mérések ATM hálózatokban, Magyar Távközlés, 99/5, május 1999, pp. 3-7 (in Hungarian)

[H-2] **Székely S.**, Arató A.: Videókonferencia alkalmazások ATM hálózaton, Magyar Távközlés, 96/6, június 1996, pp. 6-10 (in Hungarian)

[H-1] **Székely S.**, Szarkowicz K.: Bepillantás az ATM jelzésekbe, Magyar Távközlés, 95/5, május 1995, pp. 27-30 (in Hungarian)

C4. Lucrări ştiinţifice publicate în reviste din ţară, recunoscute CNCSIS (altele decât cele din baze de date internaţionale).

[R-4] **S. Szekely**, D. Kypuros, F. Kércek: An Open Digital Architecture for Smart Agriculture: Integrating TM Forum ODA, Edge Computing, and Open APIs for Scalable AI-Enabled Farming Services,

Acta Universitatis Sapientiae Electrical and Mechanical Engineering, No.1, 2026, pp. 1-13.

[R-3] **S. Székely**, T. Szász, Z. Szappanyos, Zs. Tófalvi: Challenges in a Web-enhanced Personalised IPTV Service, Acta Universitatis Sapientiae, Electrical and Mechanical Engineering, No.1, 2009, pp. 143-154

[R-2] O. Pop, **S. Székely**, M. Nafornita: Performance Evaluation of Forward Error Correction Schemes in ATM Networks, Buletin Stiintific of T.U. Timisoara, 42 (56), 1997, (in Romanian), pp. 89-98

[R-1] M. Otesteanu, **S. Székely**: User-Network Interfacing Problems in ATM Networks, Buletin Stiintific of T.U. Timisoara, Special Edition, 40 (54), 1995, (in English), pp. 153-160

C5. Lucrări ştiinţifice publicate în reviste, altele decât cele menţionate anterior

--- NU ---

C6. Lucrări ştiinţifice publicate în volumele manifestărilor ştiinţifice

[C-17] **S. Szekely**, D. Kypuros, F. Kércek: An ODA for Smart Agriculture: Integrating TM Forum ODA, Edge Computing, and Open APIs for Scalable AI-Enabled Farming Services, TEAM Conference, 10-12 September 2026, Targu-Mures, pp. 1-13 – **Best Paper Award** in Agriculture session.

[C-16] **S. Székely**, "AI and 5G-Enabled Agriculture for Sustainability and Climate Action: A Project Blueprint for the SDGs", European Seminar on AI for Sustainability and Climate Change, January 15th, 2026, pp.1-19.

[C-15] **S. Székely**, F. O'Driscoll, L. Iheme, D. Kypuros, V. Pang, G. Shmigelsky: Smart Architecture Framework with 5G Private Networks and AI for Sustainable Agriculture, 6th Global Power, Energy and Communications Conference (GPECOM'24), Budapest, Hungary, 4-7 June, 2024, https://ieeexplore.ieee.org/document/10582768. RG Research Index Score **RIS = 6.9** (as of 26.09.2026).

[C-14] D. Tikk, R. Turrin, M. Larsson, **S. Székely**: Comparative evaluation of recommender systems for digital media, International Broadcasting Convention (IBC) 2014 Conference, Amsterdam, the Netherlands, 9-14 September 2014, ISBN 978-1-84919-927-8, *avail. online in IET digital Library*

https://www.researchgate.net/publication/268191222_Comparative_evaluation_of_recommender_systems_for_digital_media

[C-13] Sz.M. Kis, J. Biro, **S. Székely**: Estimation of Multiplexing Gain on Small Business VoIP Networks, 12th IEEE Symposium on Computers and Communications, ISCC'07, Aveiro, Portugal, 1-4 July 2007, pp. 913-919, *avail. online in IEEE DL*, https://ieeexplore.ieee.org/abstract/document/4381492

[C-12] **S. Székely**, Sz.M. Kis: An Innovative Analysis of Signalling Measurements: Representation in a 'Population-Diagram', IASTED Conf. on Communication Systems and Networks, Palma De Mallorca, Spain, 28–30 August, 2006, p. 543-020, http://www.actapress.com/Abstract.aspx?paperId=28136

[C-11] **S. Székely**, Sz.M. Kis: Benchmarking Symmetrical DSL Modems with Different Protocol Stacks, 10th IEEE Symposium on Computers and Communications, ISCC'05, Murcia, Spain, 27-30 June 2005, *avail. online in IEEE DL, https://ieeexplore.ieee.org/abstract/document/1493728*

[C-10] **S. Székely**: Signalling Performance Evaluation of Large ATM Networks Based on Performance Measurements of Isolated Switches, 7th IEEE Symposium on Computers and Communications, ISCC'02, Taormina, Italy, 27-30 July 2002, pp.670-675, *avail. online in IEEE DL, http://ieeexplore.ieee.org/abstract/document/1021746/*

[C-9] **S. Székely**, G. Szűcs, Cs. Simon: Modelling of Call Processing in ATM Switches Based on Performance Measurements, Proc. of the IEEE International Conference on Telecommunications, ICT'01, Bucharest, Romania, 4-7 July 2001, pp. 327-335

[C-8] Cs. Simon, **S. Székely**, K. Németh: Point-to-Multipoint ATM Signalling Performance Measurements, Proc. of the 7th IFIP Workshop on Performance Modelling and Evaluation of ATM/IP Networks, PMEAN'00 Ilkley, U.K., 16-19 July 2000, pp. W17/1-10

[C-7] I. Szabó, **S. Székely**, I. Moldován: Performance Optimisation of AAL2 Signalling for Supporting Soft Handoffs in UMTS Terrestrial Radio Access Networks, Proc. of the 5th IEEE Symposium on Computers and Communications, ISCC'00, Juan-les-Pins, France, 4-6 July 2000, pp.46-52, *available online in the IEEE*

Digital Library, https://ieeexplore.ieee.org/abstract/document/860541

[C-6] **S. Székely**, G. Szűcs: Performance Measures of Call Establishment in ATM Networks, Proc. of the ATMTU'99 Int. Symposium, Kosice, Slovakia, 17-19 February 1999, pp.116-121

[C-5] **S. Székely**, Cs. Simon, G. Szűcs: Performance Testing on Switched Virtual Connections in ATM Networks, Proc. of the 6th IFIP Workshop on Performance Modelling and Evaluation of ATM Networks, PMEAN'98 Ilkley, U.K., 20-22 July 1998, pp. 102/1-10

[C-4] **S. Székely**, I. Moldován, Cs. Simon: Overload Generated by Signalling Message Flows in ATM Networks, IFIP TC6 WG6.3 Conference "Performance of Information and Communications Systems", PICS'98, Chapman&Hall Publisher (eds. A. Nilsson, U. Körner), Lund, Sweden, 25-28 May 1998, pp. 51-64, *available at DBLP Uni-Trier and at https://link.springer.com/chapter/10.1007/978-0-387-35355-5_5*

http://cgi.di.uoa.gr/~istavrak/ifipWG6_3/pcn.html (Content/Program)

[C-3] **S. Székely**: On Bandwidth Allocation Policies in ATM Network using Call Queueing, Proc. of the 5th IFIP Workshop on Performance Modelling and Evaluation of ATM Networks, PMEAN'97 Ilkley, U.K., 21-23 July 1997, pp. 46/1-10

[C-2] **S. Székely**, G. Fodor, S. Blaabjerg: Call Queueing: The Design and Performance Analysis of a New ATM Signalling Functionality, Proc. of the IEEE Workshop, ConTEL B&MW, Zagreb, Croatia, 11-12 November 1996, pp.99-113

D. Traduceri de cărţi, capitole de cărţi, alte lucrări ştiinţifice

--- NU ---

[

E. Editare, coordonare de volume

--- NU ---

F. Brevete de inventii si alte titluri de proprietate

[T-2] **S. Székely**: Schaltungsanordnung und Verfahren zur Fehleranalyse (*Eine neue Methode für System Tester zur Fehlersuche: Repräsentierung von Signalisierungsnachrichten in einem Plot-diagram*),

1: 10.2004.002.452.9, Germany, patent registered;

http://worldwide.espacenet.com/publicationDetails/biblio?DB=EPODOC&II=0&ND=3&adjacent=true&locale=en_EP&FT=D&CC=DE&NR=102004002452A1&KC=A1

 # 2: US Patent Application No: 2005/0195,794 Switching device and method for error analysis, 2005-P00559US USA, patent registered; *Status: abandoned after 10 years*

http://www.patentbuddy.com/Patent/20050195794

G. CONTRACTE DE CERCETARE

Nr.crt.	Denumirea temei	Beneficiar	An
1	Evaluarea traficului de semnalizare în rețelele ATM de bandă largă - *membru colaborator*, conducător: prof. Dr. Tamás Henk. *(Confidential)*	Firma Ericsson AB, Stockholm	1996
2	"Introducerea, avantajele și aplicabilitatea rețelelor ATM de bandă largă"- *membru colaborator*, conducător: prof. Dr. Tamás Henk. *(Confidential)*	Institutul de Cercetare a Poștei, PKI Budapesta	1996-2000
3	"Investigarea metodelor de extindere a capacității intelectuale cu ajutorul unui motor de recomandare"- *membru colaborator*, conducător: prof. Dr. Varró András, Szegedi Tudomány egyetem, TÁMOP-4.2.2/B-10/1-2010-0012	Universitatea din Szeged, Ungaria	2012
4	" Metode de comunicare eficiente cu echipamentul de televizor bazate pe voce si gesturi"- *membru colaborator*, conducător: Dr. Domokos Tikk	Project EU CrowdRec	2014
5	Suportul sistemelor de circulație cooperative „Smarter Transport" prin metode infocommunicative – membru colaborator, conducător: Dr. Györök György, TÁMOP-4.2.2.C-11/1/KONV-2012-0012	Universitatea Óbudai Egyetem, Alba Regia Egyetemi Központ	2014
6	Evaluarea metodelor tehnologice avansate în sistemele de televiziune și video prin internet (JITT, JITP, JITE) – *membru colaborator*, conducător: Ian Valentine, Huawei Technologies *(Confidential)*	Vodafone Deutschland	2015-2016
7	"Metode de comunicare eficiente cu corpul uman in condiții de zgomot cu o tolerantă la nivel înalt"- *membru colaborator*, conducător: Dr. Losonczi Lajos *(Confidential)*	Firma NineSigma	2016
8	High performance network components on COTS hardware, *membru colaborator*, *(Confidential)* https://www.tmit.bme.hu/node/2834	Ericsson AB	2022
9	„Investigarea garanțiilor de performanță ale serviciilor de rețea utilizând metode de învățare automată în rețelele 6G" („Hálózati szolgáltatások teljesítménygaranciáinak vizsgálata gépi tanulási módszerek segítségével 6G hálózatokban) – 2025.05.01 – 2025.07.31, *membru colaborator*, conducător: Dr. Varga Pál, BME-VIK-TMIT *(Confidential)*	Fundatia Pro Progressio Alapitvány	2025
10	Cercetare și dezvoltare a unui sistem robotic inteligent pentru ferme avicole, cu viziune artificială și operațiuni direcționate, inclusiv îndepărtarea animalelor moarte și a ouălor, *membru colaborator*, conducător: Dr. Szabó Sándor, BME-HIT, NKFIH 2025-1.1.2-GYORSÍTÓSÁV	Birdwatcher Zrt., Ungaria	2026-2029
11	Arhitectură verde scalabilă cu tehnologie 5G Smart Edge, servere MEC, senzori IoT, drone și inteligență artificială pentru procese agricole și alimentare sustenabile, *membru conducător: Dr. Szekely Sandor*, NKFIH 2026-4.2.1-HU-RIZONT-2026-0069	Universitatea Sapientia, ROM (50%), HUNREN (25%), BioSense, SRB (25%)	2027-2030 (in curs de evaluare)

H. Creaţia artistică

H1 Participări la manifestaţii artistice internaţionale

H2. Participări la manifestaţii artistice naţionale

H3. Expoziţii, filme, spectacole, concerte, discuri de autor, opere internaţionale

H4. Expoziţii, filme, spectacole, concerte, discuri de autor, opere naţionale

H5. Produse cu drept de proprietate intelectuală în domeniul artistic

III. RECUNOASTEREA

I. Premii, distincţii.

Best Paper Award in session Agriculture, Conferinta TEAM 2026, Targu-Mures, 10-12 Septembrie 2026.

Diploma "Profesor asociat onorific" ("címzetes egyetemi docens"), acordată de Univ. Technică si Economică Budapesta, la Budapesta, 20 iunie 2017.

Premiul "Pollák Virág dij", acordat de institutul HTE, Hírközlési és Informatikai Tudományos Egyesület, pentru articolul "5G Network architecture" apărut în revista Híradástechnika 2016/1, Budapesta, 17 Mai 2017.

Premiul 2. la Concursul național de electronică al elevilor gimnaziali, cu lucrarea: Imprimanta SUMI40P pentru calculator cu uz didactic, Vatra-Dornei, August 1988.

Premiul 1. la Olimpiada de fizică, clasa a XII. Faza județeană Mures, urmată de participare la faza națională, Baia-Mare, Aprilie 1988.

J. Citări (fără referință proprie)

[J-5] **S. Szekely**, L.O. Iheme, F. O'driscoll, D. Kypuros, V. Pang, G. Shmigelsky: Scalable Architecture and Intelligent Edge with 5G-Advanced, MEC, IoT, UAVs and AI for aSustainable Agriculture and Food Operations, NEVU JEA - JOURNAL OF ENGINEERING AND ARCHITECTURE, December 2025, pp. 1-15, RG, Research Index Score **RIS = 18.6** (as of 26.09.2026).

cited by 8 (vezi baza de date Google Scolar, MTMT2)

[1] Jiang, C., Miao, K., Hu, Z., Gu, F., & Yi, K. (2025). Image recognition technology in smart agriculture: A review of current applications challenges and future prospects. Processes, 13(5), 1402.

[2] Kumar, K., Verma, A., & Verma, P. (2026). IoT-Driven Autonomous Sowing Robot for Sustainable and Scalable Crop Production.

In Research Advances in Network Technologies (pp. 43-53). CRC Press.

[3] Stiri, S., Yang, T., Palattella, M. R., Fuchs, D., Arrillaga, M., & Chitu, C. (2026). 5G-AGROBOT: A Technological Framework for Automated Greenhouse Harvesting. Automation, Robotics & Communications for Industry 4.0/5.0, 56.

[C-15] **S. Székely**, F. O'Driscoll, L. Iheme, D. Kypuros, V. Pang, G. Shmigelsky: Smart Architecture Framework with 5G Private Networks and AI for Sustainable Agriculture, 6th Global Power, Energy and Communications Conference (GPECOM'24), Budapest, Hungary, 4-7 June, 2024, https://ieeexplore.ieee.org/document/10582768. Indexed by ResearchGate, Research Index Score **RIS = 6.0** (as of 05.09.2025).

cited by 7 (vezi baza de date Google Scolar, MTMT2)

[1] Lin Y.C, Wu Tin-Yu, Taniar David, et al., An Intelligent Plant Watering Decision Support System for Drought Monitoring & Analysis Based on AIoT and an LSTM Time-Series Framework, Journal of Internet of Things, Vol. 32, April 2025, DOI 10.1016/j.iot.2025.101617 (IF: Q1, JCI 1.41 – 2024; JCI 1.32 - 2023)

[2] Shieru Otsuka, Kuniaki Uto, Tadashi Kawamoto, Kei Sakaguchi, Design of Remote Smart Agriculture System Using LEO Satellite Communications and Solar Power Generation, 2025 IEEE International Conference on Consumer Electronics (ICCE), January 2025, DOI: 10.1109/ICCE63647.2025.10930016.

[3] Szekely, S., Iheme, L. O., O'Driscoll, F., Kypuros, D., Pang, V., & Shmigelsky, G. (2025). Scalable Architecture and Intelligent Edge with 5G-Advanced, MEC, IoT, UAVs and AI for a Sustainable Agriculture and Food Operations. NEVU Journal of Engineering and Architecture, 3(1), 1-15.

[R-3] **S. Székely**, T. Szász, Z. Szappanyos, Zs. Tófalvi: Challenges in a Web-enhanced Personalised IPTV Service, Acta Universitatis Sapientiae Electrical and Mechanical Engineering, No.1, 2009, pp. 143-154,

cited by 1

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K. Alte realizări semnificative.

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