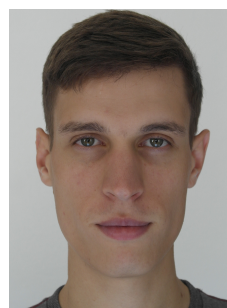


name

Csanád Sándor



address:

phone:

email:

date of birth:

citizenship:

### current

- 2017 - PhD student, Faculty of Mathematics and Informatics, Babeş-Bolyai University  
Cluj-Napoca, Romania  
ADVISOR: **Prof. Horia F. Pop**
- 2017 - PhD student, Engineering Systems Vision, Engineering Center Cluj,  
Robert Bosch SRL.

### education

- 2016 - 2017 MSc in Universal Computing and Business, Johannes Kepler  
University, Linz, Austria  
ADVISOR: **Prof. Michael Affenzeller**
- 2012 - 2015 BSc in Computer Science, Faculty of Mathematics and Informatics,  
Babeş-Bolyai University, Cluj-Napoca, Romania  
ADVISOR: **Assoc. Prof. András Libál**, Asst. Attila Áfra
- 2008 - 2012 High school, 'Orbán Balázs' Gimnázium, Cristuru-Secuiesc, Romania

### work experience

- 2016 Research assistant (2 months), Center for Nonlinear Studies, Theoretical  
Division, Los Alamos National Laboratory, Los Alamos, New Mexiko, USA  
ADVISOR: **Charles Reichhardt**
- 2014 Intern (3 months), Strats and Modeling Department, Morgan Stanley  
Business and Technology Center, Budapest (Hungary)

## papers

- 2019 **Distortion estimation through explicit modeling of the refractive surface**  
Szabolcs Pável, **Csanád Sándor**, Lehel Csató, INTERNATIONAL CONFERENCE ON ARTIFICIAL NEURAL NETWORKS
- 2017 **Collective transport for active matter run-and-tumble disk systems on a traveling-wave substrate**  
**Csanád Sándor**, Andás Libál, C. Reichhardt, C. J. Olson Reichhardt, PHYS. REV. E **95**:1
- 2017 **Dynamic phases of active matter systems with quenched disorder**  
**Csanád Sándor**, Andás Libál, C. Reichhardt, C. J. Olson Reichhardt, PHYS. REV. E, **95**:3
- 2017 **Dewetting and Spreading Transitions for Active Matter on Random Pinning Substrates**  
**Csanád Sándor**, Andás Libál, C. Reichhardt, C. J. Olson Reichhardt, THE JOURNAL OF CHEMICAL PHYSICS, **146**:20

## talks

- 2019 **Parkoló és forgalom monitorizáló rendszer videófelvevételek alapján**  
7. SZÉKYLFÖLDI IT&C ÉS INNOVÁCIÓS KONFERENCIA, TÂRGU MUREŞ, ROMANIA
- 2019 **Compression of Convolutional Neural Networks by Filter Pruning**  
**Csanád Sándor**, Lehel Csató, 7TH INTERNATIONAL CONFERENCE ON MATHEMATICS AND COMPUTER SCIENCE, TÂRGU MUREŞ, ROMANIA
- 2018 **Compression of Convolutional Neural Networks by Parameter Pruning**  
**Csanád Sándor**, Lehel Csató, 12TH JOINTH CONFERENCE ON MATHEMATICS AND COMPUTER SCIENCE (MACS), SZÉKELYJÓ
- 2017 **How to use convolutional neural networks out-of-the box?**  
5. SZÉKYLFÖLDI IT&C ÉS INNOVÁCIÓS KONFERENCIA, SFÂNTU GHEORGHE, ROMANIA
- 2017 **Parallelization of the Active Matter Simulation on GPU**  
**Csanád Sándor**, András Libál, Attila Áfra, 33TH NATIONAL SCIENTIFIC STUDENTS' ASSOCIATIONS CONFERENCE
- 2016 **Active Matter on Dynamical Optical Traps**  
THEORETICAL DIVISION LIGHTNING TALKS, LOS ALAMOS NATIONAL LABORATORY, LOS ALAMOS, NEW MEXIKO, USA
- 2015 **Parallelization of the Active Matter Simulation on GPU**  
**Csanád Sándor**, András Libál, Attila Áfra, 18. ERDÉLYI TUDOMÁNYOS DIÁKKÖRI KONFERENCIA
- 2013 **A vízhajtású rakéta működési elve és szimulációja**  
**Csanád Sándor**, Szabolcs Pável, 16. ERDÉLYI TUDOMÁNYOS DIÁKKÖRI KONFERENCIA

## posters

- 2018 **Pruning of CNNs with compressor-critic framework**  
TRANSILVANIAN MACHINE LEARNING SUMMER SCHOOL, Cluj-Napoca, Romania

## workshops

- 2019            **Compression of Convolutional Neural Networks by Filter Pruning**  
19TH INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTER COMMUNICATION AND  
PROCESSING, UTCN, Cluj-Napoca, Romania
- 2018            **Optimizing neural networks for embedded devices**  
14TH INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTER COMMUNICATION AND  
PROCESSING, UTCN, Cluj-Napoca, Romania

## languages

Hungarian	<b>native</b>
Romanian	<b>good</b>
English	<b>good</b>

## awards, scholarships

- 2018 - 2019    **Scholarship**  
COLLEGIUM TALENTUM, SAPIENTIA HUNGARIAE ALAPÍTVÁNY
- 2017 - 2018    **Scholarship**  
COLLEGIUM TALENTUM, SAPIENTIA HUNGARIAE ALAPÍTVÁNY
- 2017            **Special Award**  
NATIONAL SCIENTIFIC STUDENTS' ASSOCIATIONS CONFERENCE, VESZPRÉM, HUNGARY
- 2015            **1st Prize**  
XVI. ERDÉLYI TUDOMÁNYOS DIÁKKÖRI KONFERENCIA 2015, CLUJ-NAPOCA, ROMANIA