RAPORTUL COMISIEI DE ABILITARE
REPORT OF THE HABILITATION COMMISSION

din data de (date) 09.03.2022

NUMELE şi Prenumele candidatului (**SURNAME and Forename** of the candidate):
Mihai-Florin-Gabriel CRĂCIUN
Titlul tezei de abilitare / direcţiile principale de cercetare (Title of habilitation thesis / main research areas): Topics in Program Analysis and Program Verification .

Domeniul de studii universitare de doctorat (Field of doctoral studies): COMPUTER SCIENCE
în care urmează să se confere calitatea de conducător de doctorat (future field of doctoral supervision)

Denumirea **Instituţiei Organizatoare de Studii Universitare de Doctorat** (IOSUD) / **Instituţiei Organizatoare de Doctorat** (IOD) unde are loc susţinerea publică a tezei de abilitare
(Name of the **institution organizing doctoral studies** (IOSUD), (IOD), where the public defense of the habilitation thesis takes place): Institute of Doctoral Studies, Babeş-Bolyai University (Doctoral School of Mathematics and Computer Science)

Punctele tari ale tezei de abilitare (**Strong points** of the habilitation thesis):
1. Consistent contributions in three main direction: Type Systems, Separation Logic, Specification and Verification of Communication Protocols
2. All contributions are rigorously designed and validated in practice by prototypes
3. A very good collaboration with the international research community
4. Mastering innovative methods in domain of Types and Logic.

Punctele slabe ale tezei de abilitare (**Weak points** of the habilitation thesis):
No weak point.

Rezultatul votului / observaţii / concluziile *comisiei de abilitare* se motivează în continuare
(**Voting result / observations / premises for the conclusions** of the *habilitation commission* are as follows)

As a result of evaluating the candidate file and the public defense, the Habilitation Commission, unanimously, recognizes the high level of scientific and professional performances of the candidate and decides to award the Habilitation title in the domain of Computer Science to the candidate Assoc.Prof.PhD. Mihai-Florin-Gabriel Crăciun.
Recommendations: Encourage the candidate to deploy the theoretical results into application domains such as: automotive industry, blockchain and machine learning. Pursue the identified perspectives through collaborative research with young researchers (PhD and Msc students).

COMISIA DE ABILITARE
HABILITATION COMMISSION

NUMELE şi Prenumele	Semnătura
SURNAME and Forename	*Signature*
1. prof. Yamine AIT-AMEUR	
2. prof. univ. dr. Dorel LUCANU	
3. prof. univ. dr. Dana PETCU	