**Application for the State Doctoral Exam**\*a

Name and surname: ………………………………………… Učo: ………..…………….

Supervisor: …………………….…………………………..… Study year: .…………………..….

Date of SDE: ……………………..…………………………… Study programme: D INF – DIIA / DIFI

(the specific week according to the academic year)

Thesis proposal topic: …………………………………………………………………………………………

**Areas of the State Doctoral Exam:**

Choose two subareas from the following areas according to a proposal of your supervisor and with

regard to your field of study.

* **Computer Graphic and Image Processing**

guarantor: doc. RNDr. Petr Matula, Ph.D.

* **Data Processing and Machine Learning**

guarantor: prof. Ing. Pavel Zezula, CSc.

* **Security of Computer and Communication Systems**

guarantor: prof. RNDr. Václav Matyáš, M.Sc., Ph.D.

* **Computer Processing of Natural Language**

guarantor: doc. RNDr. Aleš Horák, Ph.D.

* **Computer Systems and Networks**

guarantor: prof. RNDr. Luděk Matyska, CSc.

* **Quantum Information Processing**

guarantors: doc. RNDr. Jan Bouda, Ph.D., prof. RNDr. Jozef Gruska, DrSc.

* **Informatics in Life Sciences**

guarantor: doc. RNDr. David Šafránek, Ph.D.

* **Formal Methods for Analysis and Verification**

guarantor: prof. RNDr. Jiří Barnat, Ph.D.

* **Theoretical Foundations of Computer Science**

guarantor: prof. RNDr. Petr Hliněný, Ph.D.

* **Social Aspects of Computer Science**

guarantor: prof. RNDr. Jiří Zlatuška, CSc.

* **Design in Embedded Systems**

guarantor: prof. Ing. Václav Přenosil, CSc.

Supervisor’s signature: ………….……..….....................

Date ……………………… Student’s signature: ………………..….……………..……

**Areas of the State Doctoral Exam\***b

Student’s name and surname: ……………………………………………………………………………

Chosen subareas should be thematically different.

Guarantor can determine new subareas according to students’ needs.

If the guarantor is a student’s supervisor, or won’t be able to examine, he suggests anoher examinor.

This selection is approved by the Doctoral Board.

Area: …….…………………………………………..…………….…………………….…………………..…

1. Subarea: ………………………………………………………………………….……………………………

Study materials: ……………………………………….……………….…………………………………….

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Proposed examiner and signature: ……………………………….………………………………………

Guarantor’s signature: ……………………………………………………….………………..……………

Area: …….………………….…………………………………….…………………….…………………..…

1. Subarea: ………………………………………………………………………………………………………

Study materials: ……………………………………………….….………………………………………….

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Proposed examiner and signature: ……………………….……………………………………….………

Guarantor’s signature: ……………………………………………………….……..…………….…………

\*a – to be filled by student, \*b – to be filled by supervisor and guarantor