

## ŠTUDIJSKA LITERATURA ZA DELE PREGLEDNEGA PREDMETA V DOKTORSKEM ŠTUDIJSKEM PROGRAMU TRETJE STOPNJE RAČUNALNIŠTVO IN INFORMATIKA

### TEORETIČNE OSNOVE RAČUNALNIŠTVA

Nosilec: **doc. dr. Branko Kavšek**

1. J.E. Hopcroft in J.D. Ullman: Uvod v teorijo avtomatov, jezikov in izračunov. 3., pregledana in dopolnjena izd. Ljubljana: Fakulteta za elektrotehniko in računalništvo, 1990  
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J.E. Hopcroft, R. Motwani in J.D. Ullman: Introduction to automata theory, languages, and computation. 2nd ed., International edition. Upper Saddle River: Pearson Education International: Addison Wesley, cop. 2003
2. John C. Martin: Introduction to Languages and The Theory of Computation, 3. izdaja, McGraw-Hill, 2003
3. Andrej Brodnik, Jernej Vičič: Uvod v računalništvo, 4., razširjena izdaja
4. David J.C. MacKay: Information Theory, Inference, and Learning Algorithms, Cambridge University Press 2003, poglavja: 1, 2, 3, 4 in 6

### PODATKOVNE STRUKTURE IN ALGORITMI

Nosilec: **prof. dr. Andrej Brodnik**

1. Thomas H. Cormen, Charles E. Leiserson, Ronald L. Rivest in Clifford Stein: Introduction to Algorithms, druga izdaja in kasneje, McGraw-Hill; *ali*
2. Robert Sedgewick: Algorithms in Java, Addison-Westley, 2004 in kasneje

### TEORIJA PROGRAMIRANJA IN PROGRAMSKIH JEZIKOV

Nosilec: **doc. dr. Iztok Savnik**

1. John Mitchell, Concepts in Programming Languages, Cambridge Univ Press, 2003
2. Benjamin Pierce, Types and Programming languages, MIT Press, 2002

### TEORIJA SISTEMOV

Nosilec: **doc. dr. Matjaž Kljun**

1. William Stallings: Computer Organization and Architecture: Designing for Performance. Pearson Education, 2016 (10th edition)  
*ali/or*
2. Linda Null. The essentials of computer organization and architecture. Jones & Bartlett Learning, 15 Mar 2018  
*ali/or*
3. Mano M Morris. Computer System Architecture 3e (Update). Pearson, 30 June 2017