

<b>Name of teacher:</b>	<b>BORIS PODOBNIK</b>
<b>Employed at: Since:</b>	University of Rijeka, Faculty of Civil Engineering <b>1/10/2002</b>
<b>Scientific / teaching title: Last election date: Scientific area and branch:</b>	<b>Full professor</b>  <b>Physics</b>
<b>e-mail address, web page</b>	Bp@phy.hr, www.gradri.hr/~bp, <a href="http://www.phy.hr/~bp">www.phy.hr/~bp</a>
<b>Knowledge of foreign languages:</b>	English, Slovenian
<b>Qualifications</b>	<ul style="list-style-type: none"> <li>- date of birth, nationality : 8.3.1964, Rogoznica</li> <li>- First degree obtained at: Faculty of Science, Zagreb, 1989</li> <li>- Ph.D. degree obtained at: Faculty of Science, Zagreb, 1996</li> <li>- previous employments: Faculty of Science, Zagreb, 1989-2002</li> </ul>
<b>List of papers published in scientific journals</b>	<ul style="list-style-type: none"> <li>➤ B. Podobnik, P. Ring and D. Vretenar, Relativistic mean-field description of collective motion in nuclei: the pion field, Z. Phys. A354 (1996) 375</li> <li>➤ P. Ring, D. Vretenar and B. Podobnik, Double giant resonances in time-dependent relativistic mean-field theory, Nucl. Phys. A598 (1996) 107</li> <li>➤ D. Horvat, B. Podobnik and D. Tadic, Chiral quark model in a Tamm-Dancoff inspired approximation, Phys. Rev. D58 034003 (1998)</li> <li>➤ D. Horvat, B. Podobnik and D. Tadic, Nucleon static properties in a Tamm-Dancoff inspired approximation, Fizika B7 (1998) 3, 127</li> <li>➤ B. Podobnik, et al, Systems with correlations in the variance: Generating power-law tails in probability distributions, "Europhys. Lett. 50, (2000) 711</li> <li>➤ B. Podobnik, et al, Scale-invariant truncated Levy flight, "Europhys. Lett. 52, (2000) 491</li> <li>➤ B. Podobnik, et al, Time evolution of stochastic processes with correlations in the variance: stability in power-law tails of distributions, Physica A 300, 300-309 (2001)</li> <li>➤ P.Ch. Ivanov, B. Podobnik and H. E. Stanley, Truncated Levy process with scale-invariant behavior, Physica A 299, 154-160 (2001).</li> <li>➤ B. Podobnik, et al, Stochastic processes with power-law stability and the crossover in power-law correlations, Physica A 316, 153 (2002)</li> <li>➤ D. Klabucar, K. Kumericki, D. Mekterovic, and B. Podobnik, On the instanton--induced portion of the nucleon strangeness II: the MIT model beyond the linearized approximation, Eur.Phys.J. C 29, 71-78 (2003)</li> <li>➤ P. Ch. Ivanov, A. Yuen, B. Podobnik, Y. Lee, Common scaling patterns in intratrade times of U.S. Stocks, Phys. Rev. E 69, 056107 (2004)</li> <li>➤ B. Podobnik, I. Grosse, P.Ch. Ivanov, K. Matia and H. E. Stanley, ARCH-GARCH approaches to modeling high-frequency financial data, Physica A 344 (1-2): 216-220 (2004).</li> <li>➤ B. Podobnik, P. Ch. Ivanov, V. Jazbinsek, Z. Trontelj, H. E. Stanley, and I. Grosse, Power-law correlated processes with asymmetric distributions, Phys. Rev. E 71 (2) 025104(R) (2005)</li> <li>➤ T. Jagric, M. Kolanovic, and B. Podobnik, Does the Efficient Market Hypothesis Hold? Evidence from Six Transition Economies, to be published in Eastern European Economics (2005).</li> </ul>
<b>List of publications which serve as a proof of teaching qualifications</b>	<ul style="list-style-type: none"> <li>➤ B. Podobnik, et al, Systems with correlations in the variance: Generating power-law tails in probability distributions, "Europhys. Lett. 50, (2000) 711</li> <li>➤ B. Podobnik, et al, Scale-invariant truncated Levy flight, "Europhys. Lett. 52, (2000) 491</li> </ul>

	<ul style="list-style-type: none"> <li>➤ B. Podobnik, et al, Time evolution of stochastic processes with correlations in the variance: stability in power-law tails of distributions, Physica A 300, 300-309 (2001)</li> <li>➤ P.Ch. Ivanov, B. Podobnik and H. E. Stanley, Truncated Levy process with scale-invariant behavior, Physica A 299, 154-160 (2001).</li> <li>➤ B. Podobnik, et al, Stochastic processes with power-law stability and the crossover in power-law correlations, Physica A 316, 153 (2002).</li> <li>➤ P. Ch. Ivanov, A. Yuen, B. Podobnik, Y. Lee, Common scaling patterns in intratrade times of U.S. Stocks, Phys. Rev. E 69, 056107 (2004).</li> <li>➤ B. Podobnik, I. Grosse, P.Ch. Ivanov, K. Matia and H. E. Stanley, ARCH-GARCH approaches to modeling high-frequency financial data, Physica A 344 (1-2): 216-220 (2004).</li> <li>➤ B. Podobnik, P. Ch. Ivanov, V. Jazbinsek, Z. Trontelj, H. E. Stanley, and I. Grosse, Power-law correlated processes with asymmetric distributions, Phys. Rev. E 71 (2) 025104(R) (2005).</li> <li>➤ T. Jagric, M. Kolanovic, and B. Podobnik, Does the Efficient Market Hypothesis Hold? Evidence from Six Transition Economies, to be published in Eastern European Economics (2005).</li> </ul>
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<b>Leader of the following research projects</b>	<ul style="list-style-type: none"> <li>➤ Bilateral hrv-slo collaboration on cardiac dynamics research</li> <li>➤ Research of long-range correlations and stochastic modeling at the cell level (scientific project MZOS no. 114-0352827-1370)</li> </ul>
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<b>Participant in the following research projects</b>	
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<b>Supervision of MSc theses</b>	0
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<b>Supervision of PhD theses</b>	0
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<b>Examination of MSc theses</b>	0
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<b>Examination of PhD theses</b>	0
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