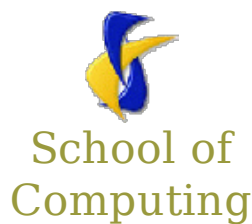


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| [interactive listing](#)]**Gheorghe STEFANESCU**  
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Singapore 117543[gheorghe@comp.nus.edu.sg](mailto:gheorghe@comp.nus.edu.sg)  
<http://www.cs.uiuc.edu/homes/stefanes/mirrorNus/>Building S-16, Level 4, Room 16  
Tel:+65-874-6613;  
Fax:+65-779-4580**Talks**[Relmics'01](#): [ [pdf.gz](#) | [ps.gz](#) ]  
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- ....\///
- PhD, University of Bucharest, 1991

**Current positions**

- Senior Fellow, [Department of Computer Science, National University of Singapore.](#)
- Professor, [Faculty of Mathematics and Computer Science, University of Bucharest](#)

**Research interests**

Broad research interests; currently I am focusing on:

- (finite) interactive systems; timed systems; space-time duality
- concurrent, object-oriented systems  
(models, theory, verification, mobility, programming languages)
- (mixed) network algebra

**Books****Network Algebra**, Springer-Verlag, 2000.(Grigore Moisil Award of the Romanian Academy [[html](#)][[jpg](#)])**Selected publications**

1. **On flowchart theories. Part I. The deterministic case.** *Journal of Computer and Systems Sciences*, 35(1987), 163-191. [[pdf](#) | [ps.gz](#)]
2. **On flowchart theories. Part II. The nondeterministic case.** *Theoretical Computer Science*, 52(1987), 307-340. [[pdf](#) | [ps.gz](#)]
3. **Towards a new algebraic foundation of flowchart scheme theory.** *Fundamenta Informaticae*, 13(1990), 171-210 (with V.E. Cazanescu). [[pdf](#) | [ps.gz](#)]
4. **Algebra of Networks: Modeling simple networks, as well as complex interactive systems.** In: *Proof and System Reliability*, Proc. 22th International Summer School - Marktobendorf, Germany, 2001. Kluwer Academic Publishers, 49-78, 2002. [[pdf](#) | [ps.gz](#)]
5. **Interactive systems with registers and voices.** *Draft*, July 2004. [[pdf](#) | [ps](#) | [abstract](#)]

**Current Courses (2001-2004)**

- [CS-3211](#), Parallel and Concurrent Programming (Spring 2004, Spring 2003, Spring 2002)
- [CS-3234](#), Logic and Formal Systems (Fall 2003, Fall 2002, Fall 2001)

**Miscellaneous**

- [Space-time duality thesis](#)
- Great IT problems for 21st century [JACM, Vol.50\(1\), 2003](#)

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