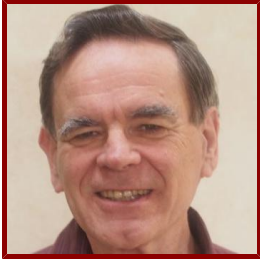


# Stanford

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## Vaughan Pratt

Professor of Computer Science, Emeritus

### Bio

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#### ACADEMIC APPOINTMENTS

- Emeritus Faculty, Acad Council, Computer Science

#### HONORS AND AWARDS

- Fellow, Association for Computing Machinery (3/2/1997)
- Alumni Award for Innovation and Entrepreneurship, University of Sydney (4/27/2017)

#### PROGRAM AFFILIATIONS

- Symbolic Systems Program

#### PROFESSIONAL EDUCATION

- Ph.D., Stanford University , Computer Science (1972)
- M.Sc., University of Sydney , Physics (1969)
- B.Sc. (Hons), University of Sydney , Physics and Pure Mathematics (1967)

#### PATENTS

- Vaughan R. Pratt, Serdar Ergene, Michael J. Shantz, Jerald R. Evans, Sheue-Ling Lien. "United States Patent 5,125,073 Method and apparatus for adaptive forward differencing in the rendering of curves and surfaces", Sun Microsystems, Inc., May 8, 1987

### Publications

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#### PUBLICATIONS

- **Preface** *ACTA INFORMATICA*  
Hofner, P., Morgan, C., Pratt, V.  
2020
- **My time with Rob** *ACTA INFORMATICA*  
Pratt, V.  
2020
- **Towards Fully Autonomous Driving: Systems and Algorithms** *IEEE Intelligent Vehicles Symposium (IV)*  
Levinson, J., Askeland, J., Becker, J., Dolson, J., Held, D., Kammel, S., Kolter, J. Z., Langer, D., Pink, O., Pratt, V., Sokolsky, M., Stanek, G., Stavens, et al  
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- **Linear Process Algebra** *5th International Conference on Distributed Computing and Internet Technologies (ICDCIT)*  
Pratt, V.

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- **Communes via Yoneda, from an Elementary Perspective** *FUNDAMENTA INFORMATICA*  
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- **Stanley: The robot that won the DARPA Grand Challenge** *JOURNAL OF FIELD ROBOTICS*  
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- **CommonSense: A preprocessing system to identify errors in large transcribed corpora** *Conference on Multisensor, Multisource Information Fusion*  
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- **Chu spaces as a semantic bridge between linear logic and mathematics** *THEORETICAL COMPUTER SCIENCE*  
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- **The continuum as a final coalgebra** *2nd International Workshop on Coalgebraic Methods in Computer Science (CMCS)*  
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- **Chu spaces from the representational viewpoint** *ANNALS OF PURE AND APPLIED LOGIC*  
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- **COMPUTATIONAL ASPECTS OF THE PENTIUM AFFAIR** *IEEE COMPUTATIONAL SCIENCE & ENGINEERING*  
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- **The Stone gamut: A coordinatization of mathematics** *10th Annual IEEE Symposium on Logic in Computer Science (LICS 95)*  
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I E E E, COMPUTER SOC PRESS.1995: 444–454
- **Chu spaces and their interpretation as concurrent objects** *COMPUTER SCIENCE TODAY*  
Pratt, V.  
1995; 1000: 392-405
- **GATES ACCEPT CONCURRENT BEHAVIOR** *34th Annual Symposium on Foundations of Computer Science (FOCS 93)*  
Gupta, V., Pratt, V.  
I E E E, COMPUTER SOC PRESS.1993: 62–71
- **ARITHMETIC PLUS LOGIC PLUS GEOMETRY = CONCURRENCY** *LECTURE NOTES IN COMPUTER SCIENCE*  
Pratt, V.  
1992; 583: 430-447
- **ARITHMETIC PLUS LOGIC PLUS GEOMETRY = CONCURRENCY** *1ST LATIN AMERICAN SYMP ON THEORETICAL INFORMATICS (LATIN 92)*  
Pratt, V.  
SPRINGER-VERLAG BERLIN.1992: 430–447
- **THE DUALITY OF TIME AND INFORMATION** *3RD INTERNATIONAL CONF ON CONCURRENCY THEORY*  
Pratt, V. R.  
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- **TEMPORAL STRUCTURES** *LECTURE NOTES IN COMPUTER SCIENCE*  
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- **MODELING CONCURRENCY WITH PARTIAL ORDERS** *INTERNATIONAL JOURNAL OF PARALLEL PROGRAMMING*  
Pratt, V.  
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- **2-WAY CHANNEL WITH DISCONNECT** *LECTURE NOTES IN COMPUTER SCIENCE*  
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- **THE POMSET MODEL OF PARALLEL PROCESSES - UNIFYING THE TEMPORAL AND THE SPATIAL** *LECTURE NOTES IN COMPUTER SCIENCE*  
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