



Vaughan Pratt

Professor of Computer Science, Emeritus

Bio

ACADEMIC APPOINTMENTS

- Emeritus Faculty, Acad Council, Computer Science

HONORS AND AWARDS

- Fellow, Association for Computing Machinery (1996)

PROGRAM AFFILIATIONS

- Symbolic Systems Program

Teaching

STANFORD ADVISEES

Doctoral Dissertation Reader (AC)

Duligur Ibeling

Orals Evaluator

Duligur Ibeling

Publications

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
IEEE.2011: 163–168
- **Linear Process Algebra** *5th International Conference on Distributed Computing and Internet Technologies (ICDCIT)*
Pratt, V.
SPRINGER-VERLAG BERLIN.2011: 92–111

- **Communes via Yoneda, from an Elementary Perspective** *FUNDAMENTA INFORMATICA*
Pratt, V.
2010; 103 (1-4): 203-218
- **Stanley: The robot that won the DARPA Grand Challenge** *JOURNAL OF FIELD ROBOTICS*
Thrun, S., Montemerlo, M., Dahlkamp, H., Stavens, D., Aron, A., Diebel, J., Fong, P., Gale, J., Halpenny, M., Hoffmann, G., Lau, K., Oakley, C., Palatucci, et al
2006; 23 (9): 661-692
- **CommonSense: A preprocessing system to identify errors in large transcribed corpora** *Conference on Multisensor, Multisource Information Fusion*
Propper, R., Mohajer, K., Pratt, V.
SPIE-INT SOC OPTICAL ENGINEERING.2006
- **Chu spaces as a semantic bridge between linear logic and mathematics** *THEORETICAL COMPUTER SCIENCE*
Pratt, V.
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- **The continuum as a final coalgebra** *2nd International Workshop on Coalgebraic Methods in Computer Science (CMCS)*
Pavlovic, D., Pratt, V.
ELSEVIER SCIENCE BV.2002: 105-22
- **Chu spaces from the representational viewpoint** *ANNALS OF PURE AND APPLIED LOGIC*
Pratt, V.
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- **COMPUTATIONAL ASPECTS OF THE PENTIUM AFFAIR** *IEEE COMPUTATIONAL SCIENCE & ENGINEERING*
Coe, T., Mathisen, T., Moler, C., Pratt, V.
1995; 2 (1): 18-30
- **The Stone gamut: A coordinatization of mathematics** *10th Annual IEEE Symposium on Logic in Computer Science (LICS 95)*
Pratt, V. R.
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.
SPRINGER-VERLAG BERLIN.1992: 237-253
- **TEMPORAL STRUCTURES** *LECTURE NOTES IN COMPUTER SCIENCE*
CASLEY, R., CREW, R. F., Meseguer, J., Pratt, V.
1989; 389: 21-51
- **MODELING CONCURRENCY WITH PARTIAL ORDERS** *INTERNATIONAL JOURNAL OF PARALLEL PROGRAMMING*
Pratt, V.
1986; 15 (1): 33-71

- **2-WAY CHANNEL WITH DISCONNECT** *LECTURE NOTES IN COMPUTER SCIENCE*

Pratt, V.

1985; 207: 110-111

- **2-WAY CHANNEL WITH DISCONNECT** *LECTURE NOTES IN COMPUTER SCIENCE*

Roscoe, A. W., Pratt, V.

1985; 207: 101-102

- **THE POMSET MODEL OF PARALLEL PROCESSES - UNIFYING THE TEMPORAL AND THE SPATIAL** *LECTURE NOTES IN COMPUTER SCIENCE*

Pratt, V.

1985; 197: 180-196