



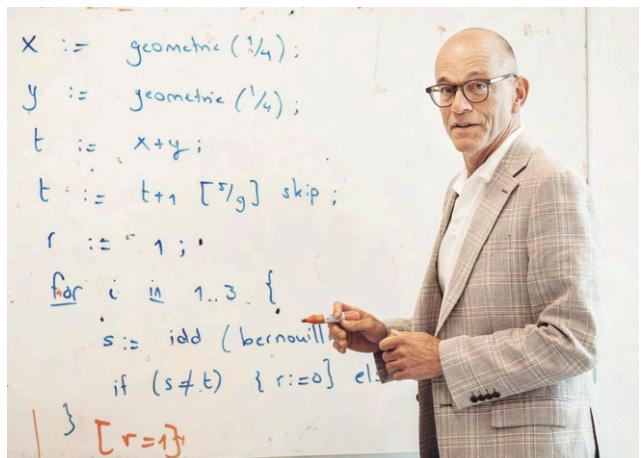
Colloquium on Principles of Verification: Cycling the Probabilistic Landscape

MOVES Alumni Meeting; November 8, 2024



33 Years at i2 and Beyond

Thomas Noll (MOVES Alumni Meeting; November 8, 2024)



Right on Time [Californication, 1999]

- Lehrstuhl Informatik 2 (i2) founded by Klaus Indermark on December 23, 1975
- “Programming Languages and Program Analysis”
- Taken over by Joost-Pieter on October 1, 2005
- “Software Modeling and Verification – MOVES”



Fachgruppe Informatik

Einladung

Zum Festkolloquium anlässlich der

Emeritierung von Prof. Dr. Klaus Indermark

lädt die Fachgruppe Informatik der RWTH Aachen herzlich ein.

Ort: Hörsaal AH 5, Ahornstraße 55

Datum: Freitag, 4. November 2005

Programm: 15:00 *Begrüßung*

Prof. Dr. Wolfgang Thomas
Dekan der Fakultät für Mathematik, Informatik
und Naturwissenschaften, RWTH Aachen

Prof. Dr. Manfred Nagl
Sprecher der Fachgruppe Informatik, RWTH Aachen

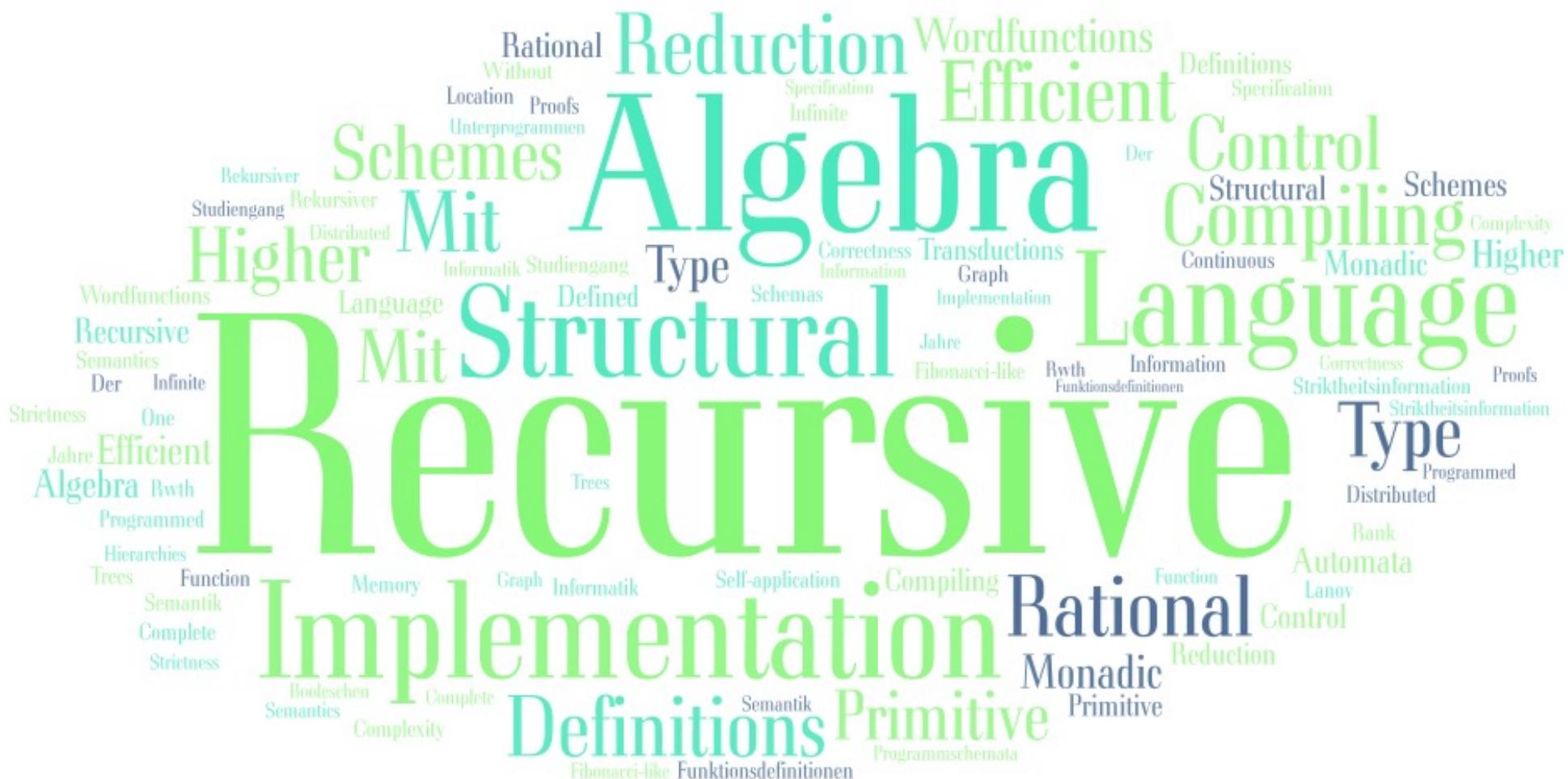
15:30 *Wieso LISPeln Programmierer?*

Prof. Dr. Herbert Klaeren
Wilhelm-Schickard-Institut, Universität Tübingen

16:15 *Kaffeepause*

16:45 *Automatische Verifikation stochastischer Systeme*
Prof. Dr. Ir. Joost-Pieter Katoen
Lehrstuhl für Informatik 2, RWTH Aachen

Green Heaven [The Red Hot Chili Peppers, 1984]

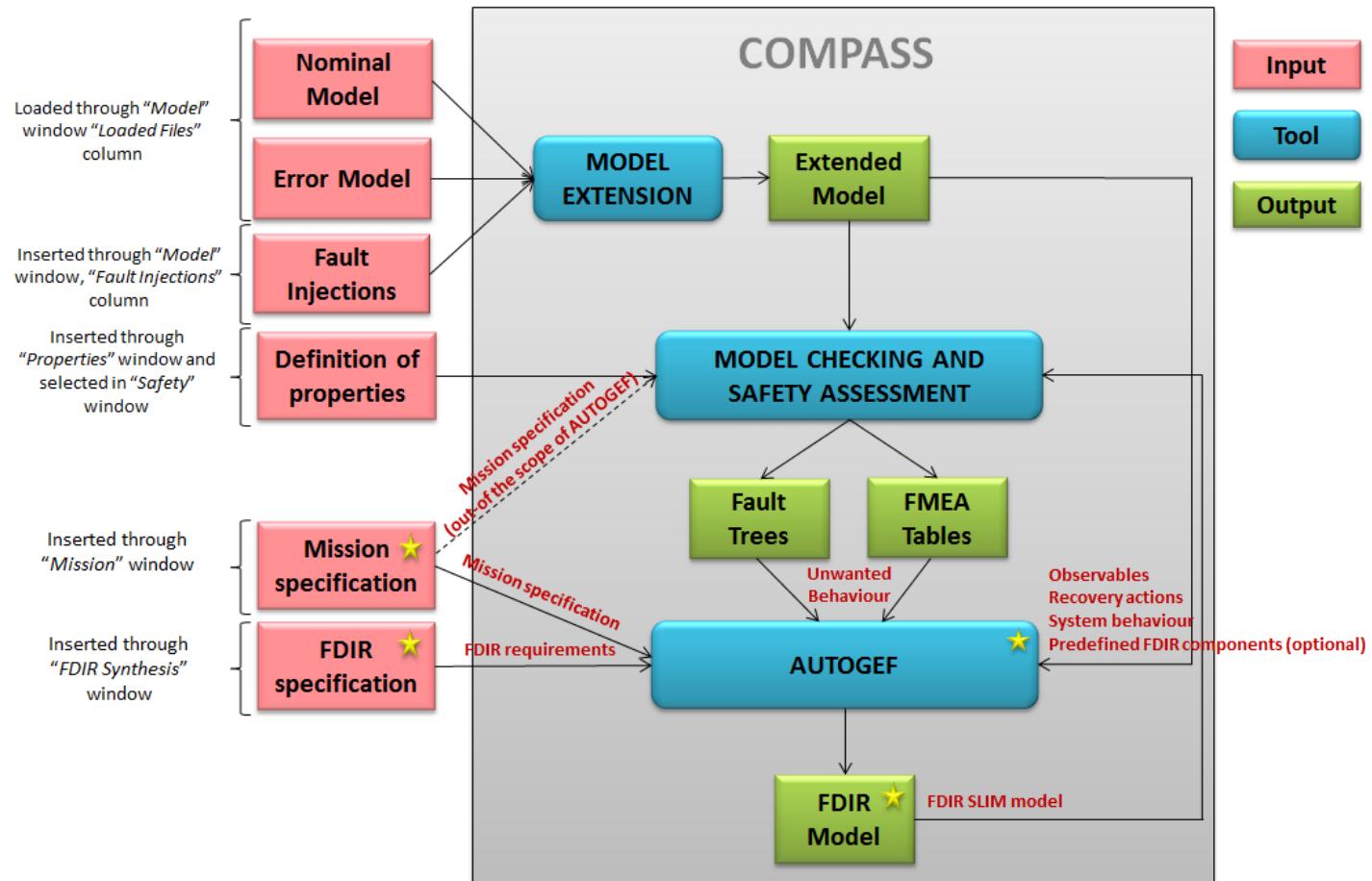


Bicycle Song [By the Way (deluxe edition), 2006]



This Is the Place [By the Way, 2002]

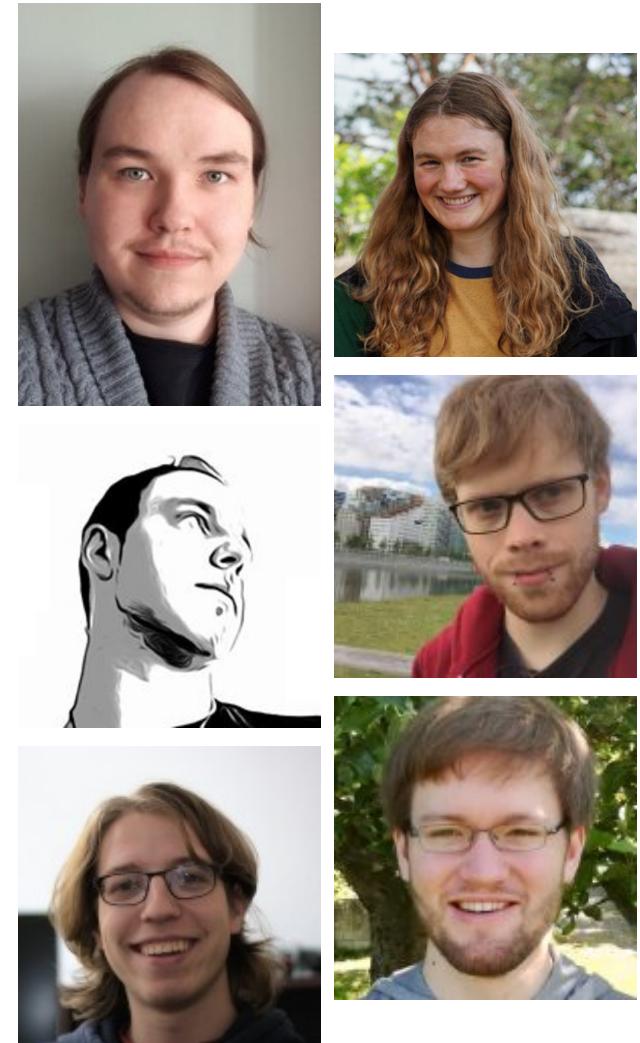






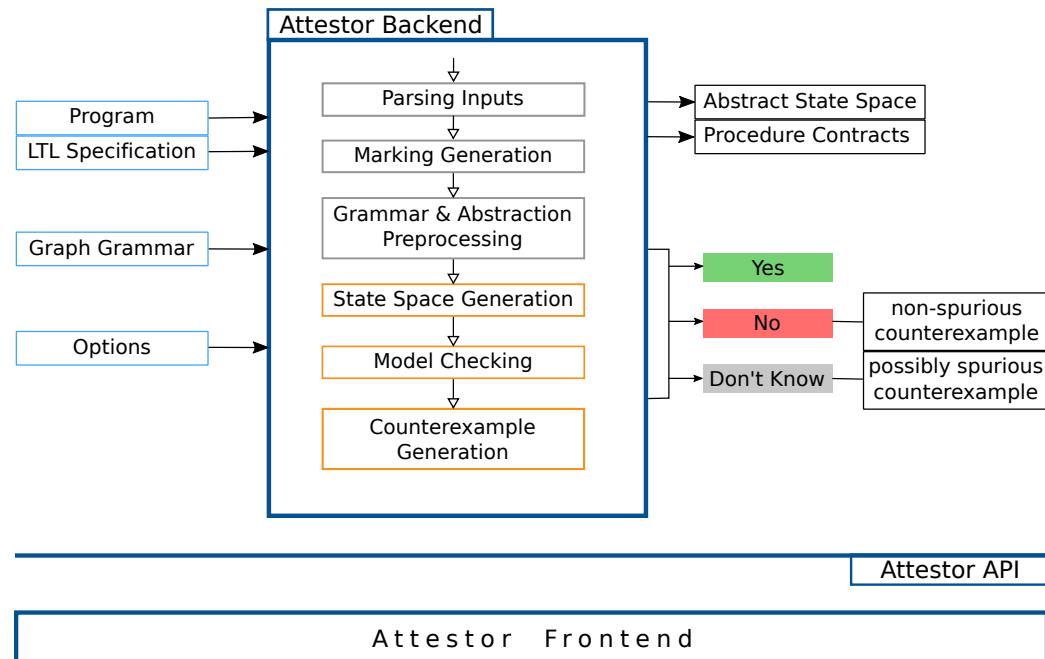
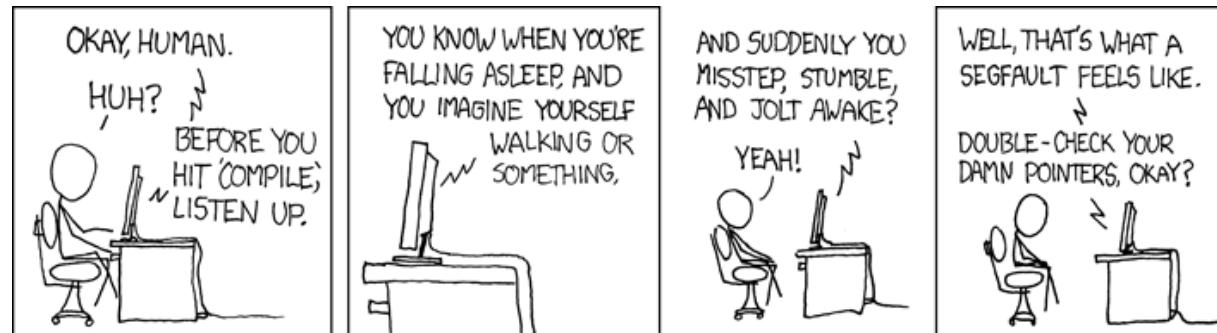
Storm

www.stormchecker.org



The Shape I'm Takin' [Return of the Dream Canteen, 2022]

Attector Framework (2016)



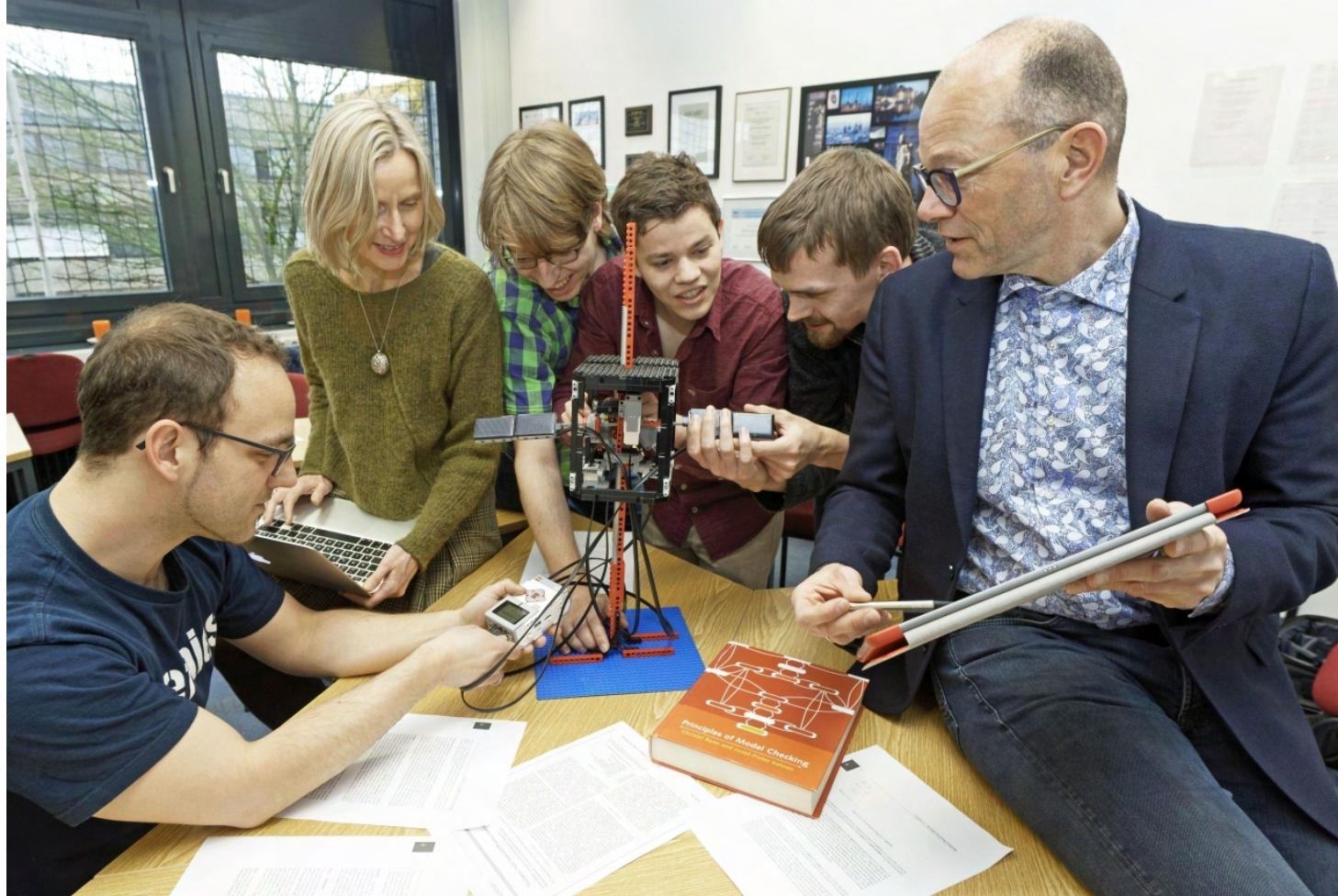


UnRAVeL

Research Training Group –
Uncertainty and Randomness
in Algorithms, Verification,
and Logic



Never Is a Long Time [I'm with You Sessions, 2012]



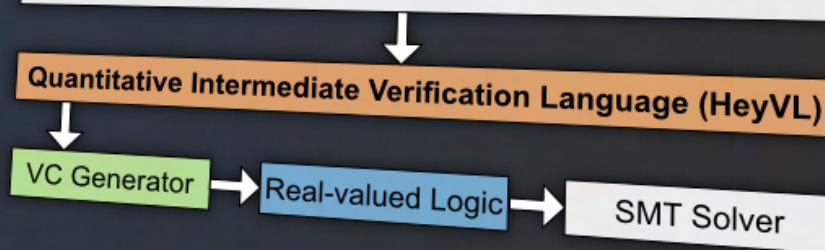
FRAPPANT ERC Advanced Grant (2018)





A Deductive Verifier for Probabilistic Programs

expected run-times partial correctness k-induction
positive almost-sure termination expected resource consumption
martingales amortized analysis almost-sure termination
conditional expected values total correctness
optional stopping theorem Park induction probabilistic sensitivity



Aeroplane [One Hot Minute, 1995]



MISSION (MSCA RISE Program, 2021)



Alfred Renyi

“A mathematician is a machine for turning coffee into theorems.”

