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Shift Your Research & Laboratory

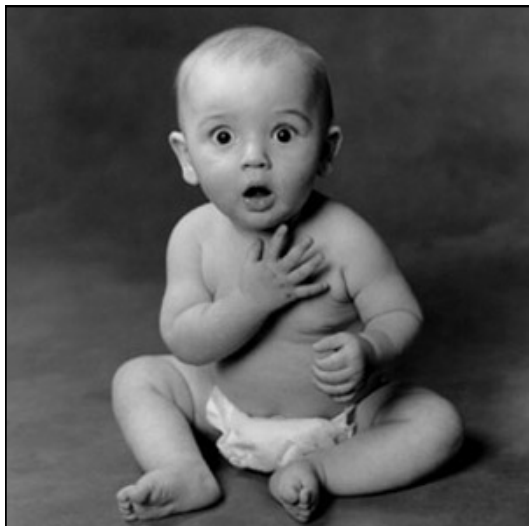
into Higher Gear with 3 Shift Skills & 4 Smooth Rules

Dave Goldberg
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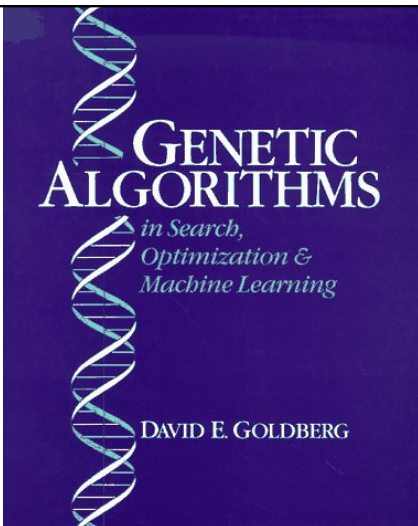
Check in

1. Name
2. Institution or Organization
3. **Prompt:** I came to this workshop because...



**Surprising
journey**

1989

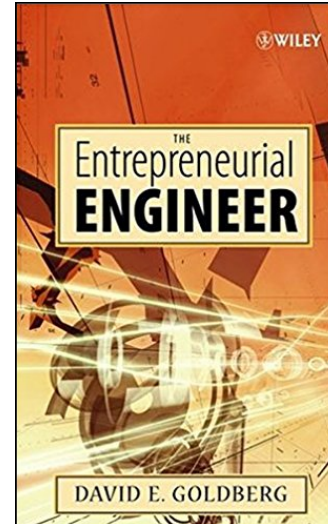


**GENETIC
ALGORITHMS**
*in Search,
Optimization &
Machine Learning*
 DAVID E. GOLDBERG

2004



 sharethis



2006

Summer 2007

iFoundry

Illinois Foundry for Innovation in Engineering Education
www.ifoundry.illinois.edu

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31 December 2010

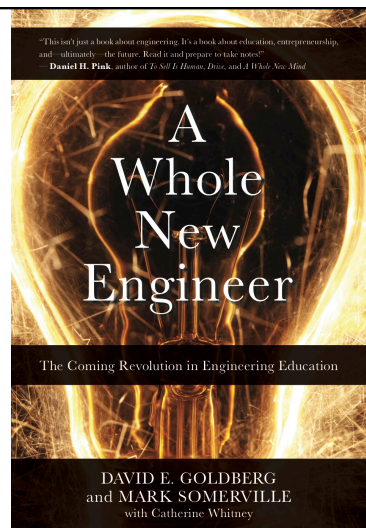

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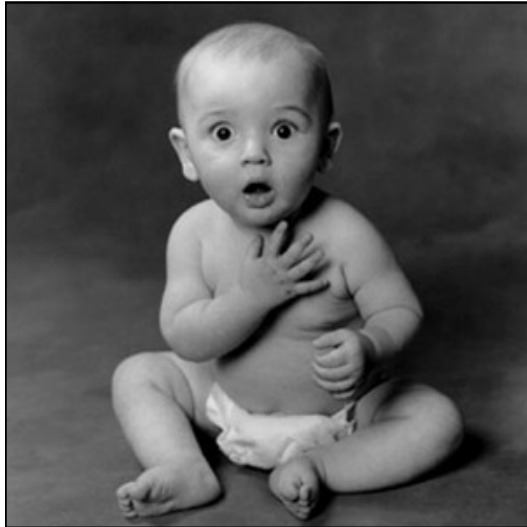
ThreeJoy = Consulting, Coaching, & Training

3 Joys = Engineering, Learning & Community

October 2014

www.wholenewengineer.org





Surprising
journey

Actual Slides:

www.threejoy.com/GECCO2018



Yogi Berra

"In theory there is no difference between theory and practice.
In practice there is."

Practitioner's way of knowing as ...

1. Technical rationality
2. Conversation-in-action

The Reflective Practitioner

How Professionals Think in Action

Donald A. Schön

Practitioner's way of knowing as ...

1. Technical rationality
2. Conversation-in-action

Dominates

The Reflective Practitioner

How Professionals Think in Action

Donald A. Schön

Practitioner's way of knowing as ...

1. Technical rationality
2. Conversation-in-action

Denigrated:
"Soft skills"

The Reflective Practitioner

How Professionals Think in Action

Donald A. Schön

Your education was largely about mastering theory. Practice was left as exercise to the reader.

t

Your education was based on technical rationality.



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