



Cincom Smalltalk™

2018 Roadmap

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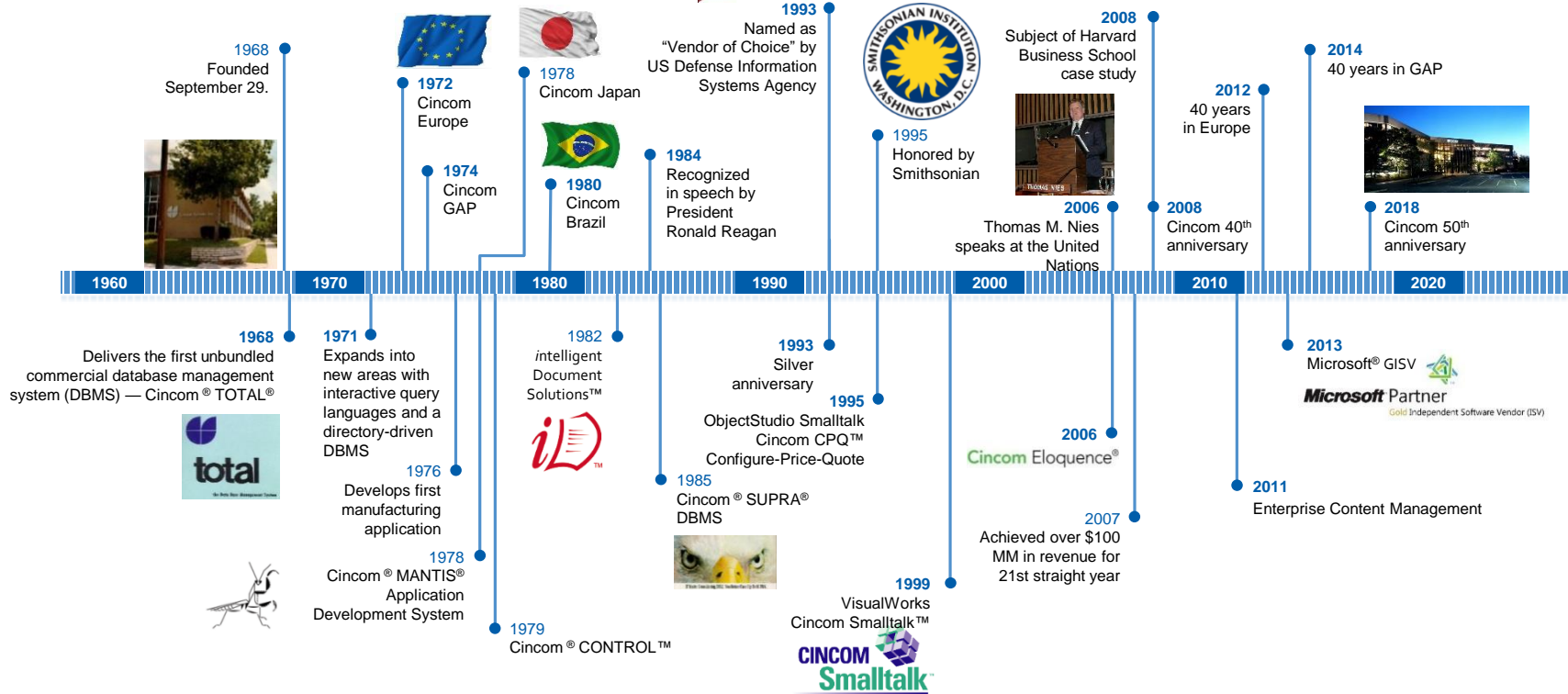
September 10, 2018

The 26th Annual
European Smalltalk
User Group Conference



Cincom Systems, Inc.

Cincom History



AGENDA

- Themes
- Smalltalk Advocacy



Themes

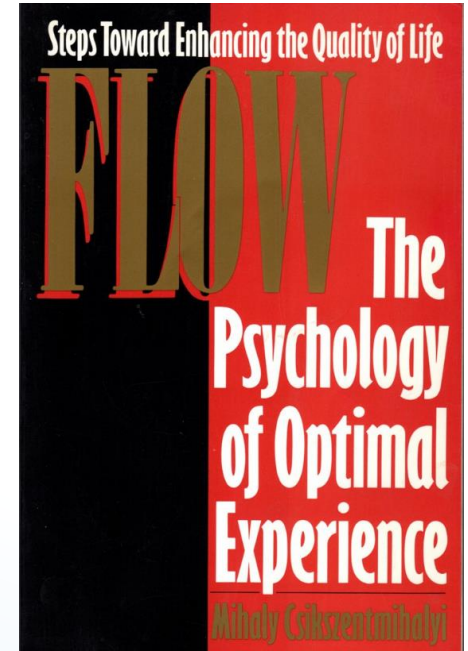
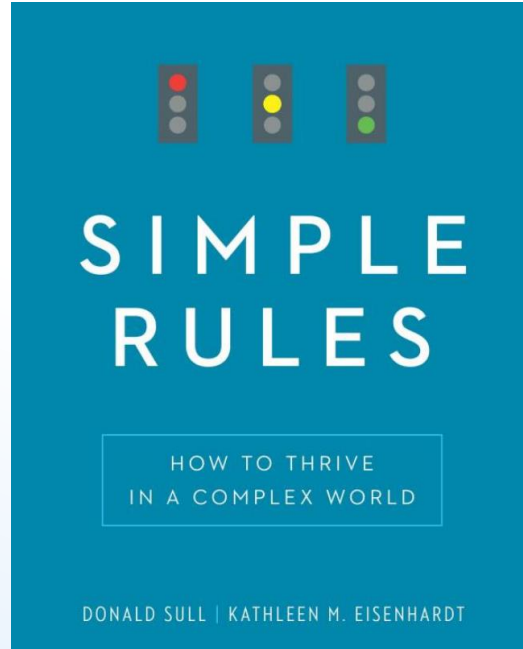
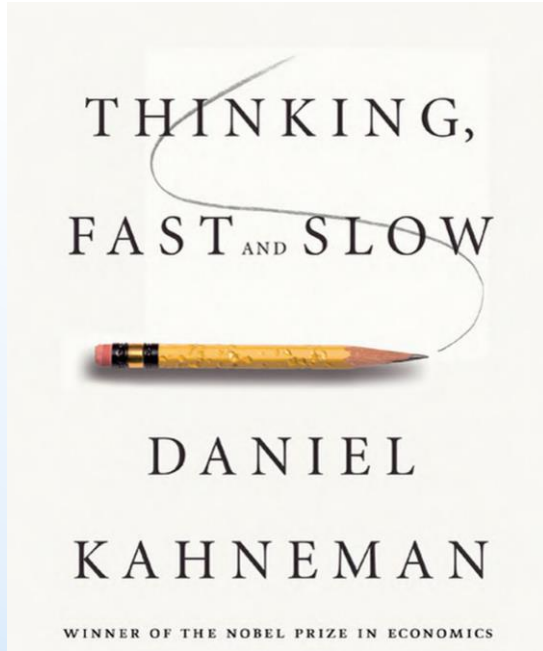
Ac-Cent-Tchu-Ate the Positive

You've got to accentuate the positive
Eliminate the negative
Latch on to the affirmative
Don't mess with Mister In-Between

***“Simplicity is the
ultimate
sophistication”***



Ideas





Smalltalk Advocacy

Smalltalk Advocacy

Evolution of discussing Smalltalk

- Pearls of Smalltalk
- Hidden Gems
- Vocabulary/Principle/Application
- Thought Exercises

Smalltalk Advocacy

Pearls of Smalltalk

The Pearls

- Time & Investment
- Productivity
- Elegance
- Pioneering
- Portability
- Full Source code
- Enjoyment
- Broad Applicability



The Pearls: Conclusion

- What's old is new again
- Smalltalk on an upswing
- More ideas from Smalltalk are getting traction
- Too big an idea, too robust a language to go away
- Introduced ahead of its time, world is now ready?





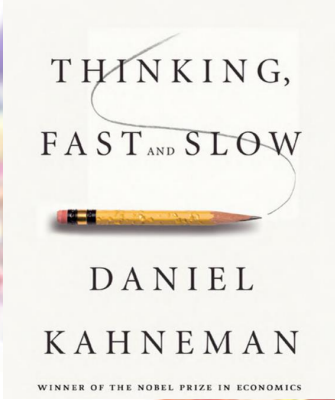
Smalltalk Advocacy

Hidden Gems

Hidden Gems

Hidden Gems is about showing use or capabilities of the product that may not be obvious

- ... and we think you would benefit from knowing it
- Doing something in Smalltalk is *really* easy ... if you have an example

The image shows the cover of the book 'Thinking, Fast and Slow' by Daniel Kahneman. The cover is white with a yellow pencil lying horizontally across the middle. The title 'THINKING, FAST AND SLOW' is written in a serif font, with 'AND' in smaller letters between 'FAST' and 'SLOW'. The author's name 'DANIEL KAHNEMAN' is printed below the pencil. At the bottom, it says 'WINNER OF THE NOBEL PRIZE IN ECONOMICS'. The book cover is set against a background of various colorful gemstones.

THINKING,
FAST AND SLOW

DANIEL
KAHNEMAN

WINNER OF THE NOBEL PRIZE IN ECONOMICS

Hidden Gems

Environment tips and tricks

- Filter browser to only my work (pkgs from a repository)
- Tabs
- Shortcuts keys (ctrl-e)



Hidden Gems

Frameworks

- MVC
 - Drawing on custom views
- ValueInterface
- DomainMaster



Hidden Gems

Features

- Parsing
 - Build your own from railroad charts
 - Use product parsers
- HTTPS/TLS
 - Specifying encryption available and order of
 - “screen-scraping”




Hidden Gems

Bringing it all together

Examples that tie together
many gems





Smalltalk Advocacy Vocabulary

Smalltalk Advocacy – Vocabulary

small talk

noun

noun: **smalltalk**

polite conversation about *unimportant*
matters

Smalltalk Advocacy – Vocabulary

Crosstalk

FasTalk

“talk” - implied telecommunications software

Smalltalk Advocacy – Vocabulary

Smalltalk

We know it is a great language.

Was is it a great name choice? Too clever?

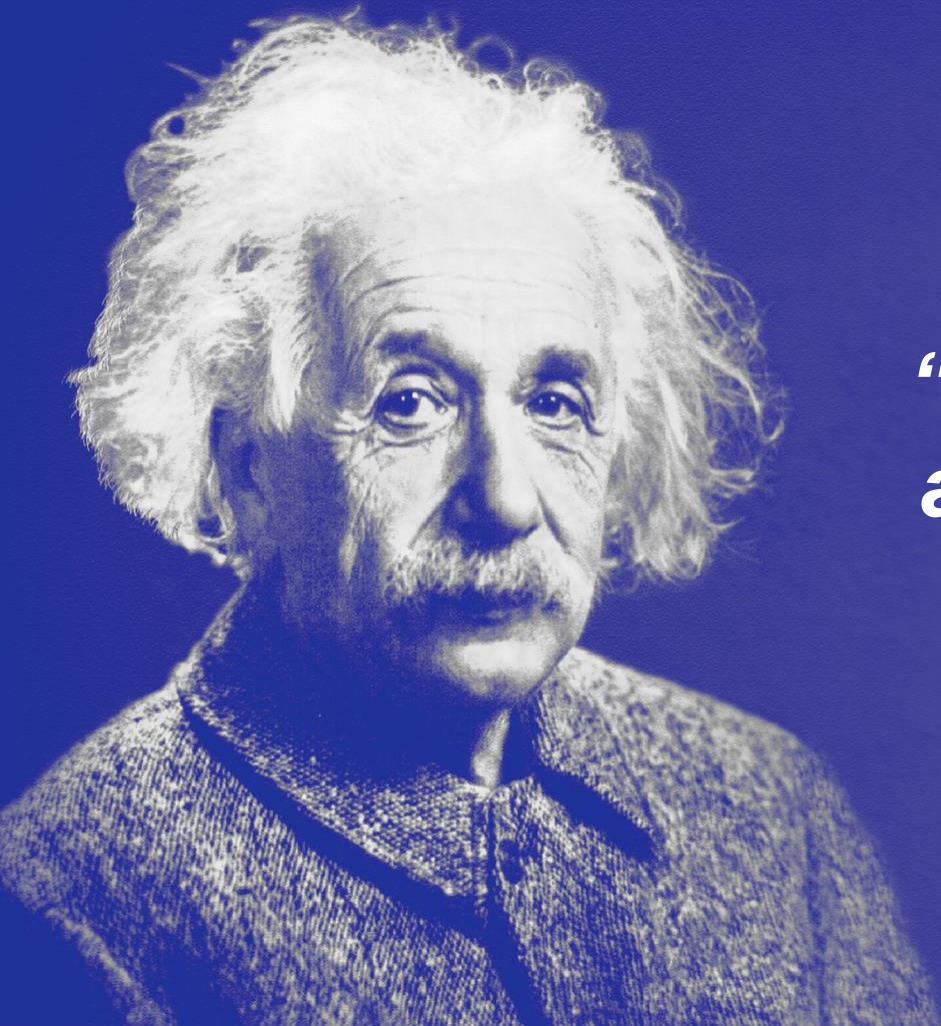
Why discuss this?

Smalltalk Advocacy – Vocabulary

pros·e·lyt·ize

verb

convert or attempt to convert (someone) from one religion, belief, or opinion to another.



***“Everything should be
as simple as it can be,
but not simpler”***

Smalltalk Advocacy – Vocabulary

Succinct or Simple?

suc·cinct

sə(k)'siNG(k)t/

adjective

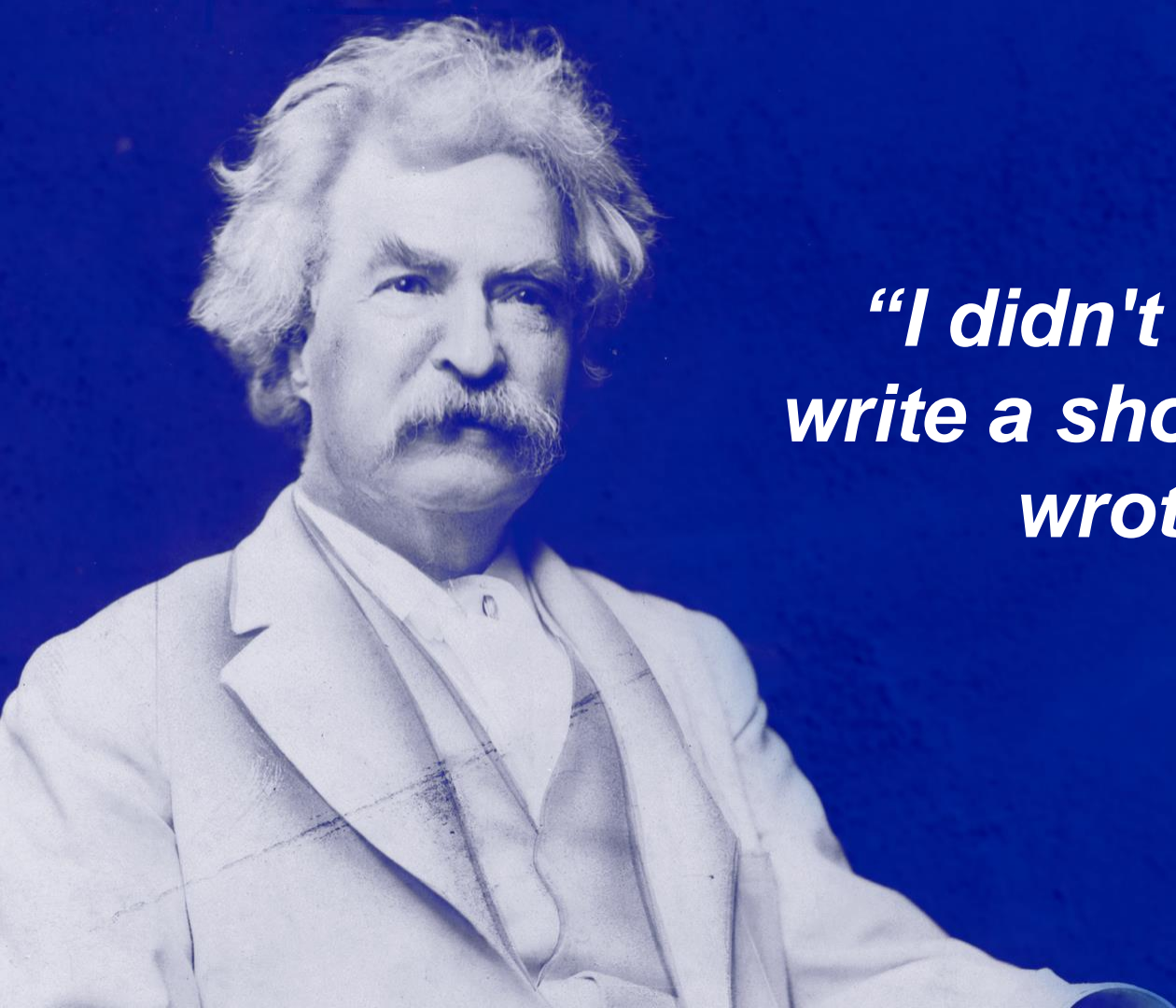
- briefly and clearly expressed.

sim·ple

'simpəl/

adjective

- easily understood or done; presenting no difficulty.
- lacking in knowledge or expertise



***“I didn't have time to
write a short letter, so I
wrote a long one
instead”***

Smalltalk Advocacy – Vocabulary

prin·ci·ple

Noun , plural noun: principles

- a fundamental truth or proposition that serves as the foundation for a system of belief or behavior or for a chain of reasoning.
- a fundamental source or basis of something.

Smalltalk Advocacy – Principles

Language Design

- Simplicity (be careful of perception)
- Well designed in a manner that removes the unnecessary and unproductive features

Smalltalk Advocacy – Principles

A small number of consistently applied concepts

Smalltalk Advocacy – Principles

Application

- A small number of consistently applied concepts

Smalltalk Advocacy – Principles

Application

- A small number of consistently applied concepts
- I can express something more clearly and in less code, most of the time

Smalltalk Advocacy – Principles

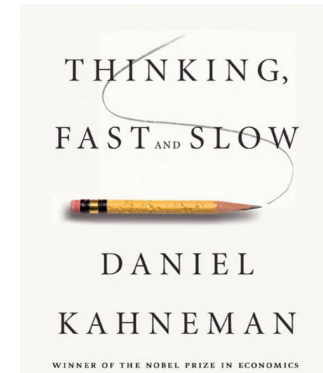
Application

- A small number of consistently applied concepts
- I can express something more clearly and in less code, most of the time
- I can strongly influence how it “reads”, making it more understandable

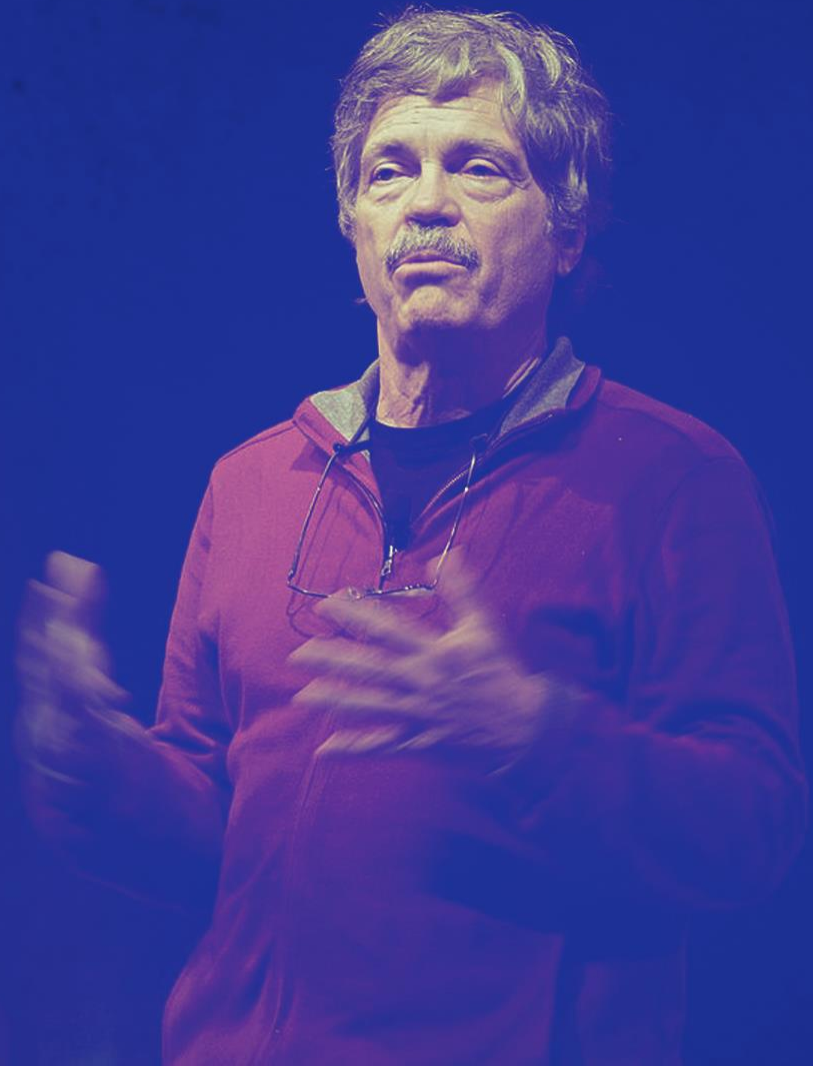
Smalltalk Advocacy – Principles

Application

- A small number of consistently applied concepts
- I can express something more clearly and in less code, most of the time
- I can strongly influence how it “reads”, making it more understandable
- **I can “get my arms around larger problems”**



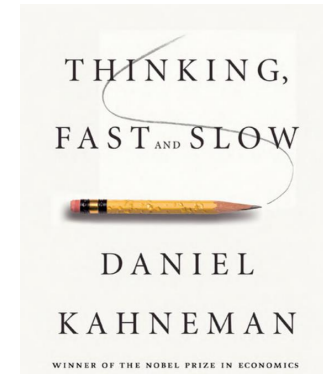
***“Simple things
should be simple,
complex things
should be possible.”***



Smalltalk Advocacy – Principles

Application

- A small number of consistently applied concepts
- I can express something more clearly and in less code, most of the time
- I can strongly influence how it “reads”, making it more understandable
- **I can “get my arms around larger problems”**
- **I can build and maintain software at a lower cost**





Smalltalk Advocacy Thought Exercises

Smalltalk Advocacy – Thought Exercises

Describing what is different about
Smalltalk - to a non-Smalltalker

Smalltalk Advocacy – Thought Exercises

Live coding

Live coding

Live coding

Smalltalk Advocacy – Row Together



Products

Has grown

Cincom ObjectStudio

Cincom VisualWorks

Cincom Smalltalk Foundation

... Made Simpler Still!

Cincom Smalltalk V9

Cincom Smalltalk Foundation



Products

Future Directions

- Incremental improvements Compatibility
- Infrastructure upgrades Compatibility
- Respond to Customer needs
- Improve productivity
- Improve API

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Thank You!

Any questions?



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