What's in your Toolkit?

Complexity	Simplicity
State, Objects	Values
Methods	Functions, Namespaces
vars	Managed refs
Inheritance, switch, matching	Polymorphism a la carte
Syntax	Data
Imperative loops, fold	Set functions
Actors	Queues
ORM	Declarative data manipulation
Conditionals	Rules
Inconsistency	Consistency

The Complexity Toolkit

Construct	Complects
State	Everything that touches it
Objects	State, identity, value
Methods	Function and state, namespaces
Syntax	Meaning, order
Inheritance	Types
Switch/matching	Multiple who/what pairs
var(iable)s	Value, time
Imperative loops, fold	what/how
Actors	what/who
ORM	OMG
Conditionals	Why, rest of program

The Simplicity Toolkit

Construct	Get it via
Values	final, persistent collections
Functions	a.k.a. stateless methods
Namespaces	language support
Data	Maps, arrays, sets, XML, JSON etc
Polymorphism a la carte	Protocols, type classes
Managed refs	Clojure/Haskell refs
Set functions	Libraries
Queues	Libraries
Declarative data manipulation	SQL/LINQ/Datalog
Rules	Libraries, Prolog
Consistency	Transactions, values

(from Rich Hickey's "Design, Composition and Performance" talk)