THE SOCIO-TECHNICAL DEVELOPER



SUSTAINABLE SOCIO-TECHNICAL SYSTEMS

WHO AM I?



SOFTWARE IS SOCIO-TECHNICAL

WHAT DOES THAT MEAN?

SO WHAT?

WHATARE SOCIO-TECHNICAL SYSTEMS?

SOCA ECHRICA

CONWAY'S LAW

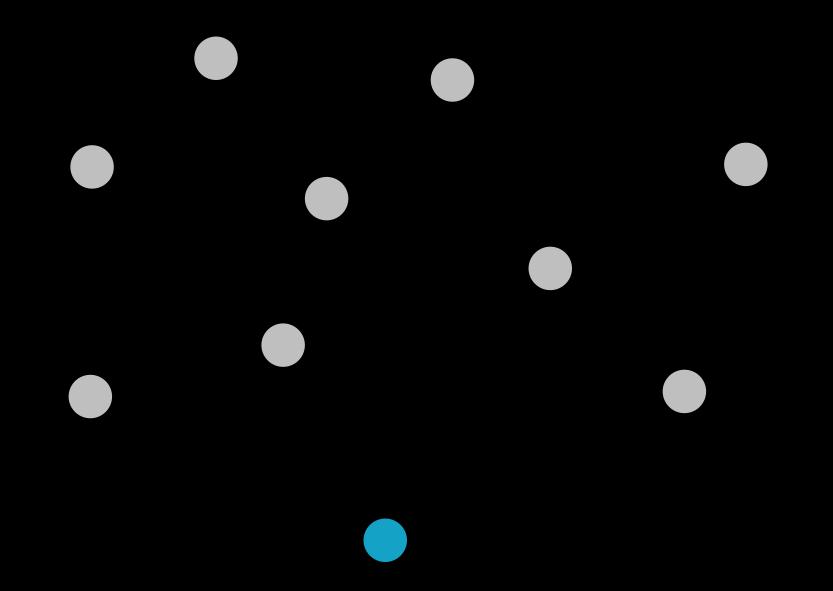
EXISTING STRUCTURES IN ELUENCE NEW STRUCTURES

NEW STRUCTURES RENFORCE EXISTING STRUCTURES

STRUCTURES & FORCES

WHAT ARE THE IMPLICATIONS?

STARTING A NEW JOB



HOWWILL TO WILL TO WIL

IT DEPENDS

WHO ARE YOU?

WHO ARE THEY?

SYSTEMIC

MULTI-FACETED

CONTEXT

INTERTWINGLED

INVISIBLE

WHY ARE YOU THERE?

WHATIS YOUR ROLE?

JUNIOR DEV

SENIOR DEV

TECH LEAD

ARCHITECT

SOMETHING ELSE?

WHATIS EXPECTED FROM YOU?

1337 DEV

FASI ESI JIRA TICKET PROCESSING MACHINE IN THE NORTH

MOVE TOWARDS ABETTER ARCHITECTURE

COACH A TEAM OF DEVELOPERS

HELP BUILD A BETTER TEAM CULTURE

WHAT ARE YOUR GOALS?

PROVIDE VALUE FOR THE CUSTOMER

PROVIDE INCOME FOR YOUR EMPLOYER

EARNADECENT PAYCHECK

CREATE AR AWESOME PRODUCT

BUILD A CAREER

CREATE A NAME FOR YOURSELF

WORK WITH EXCELLENT PEOPLE

HAYE FUN

WHATIS YOUR TIME FRAME?

LIMITED

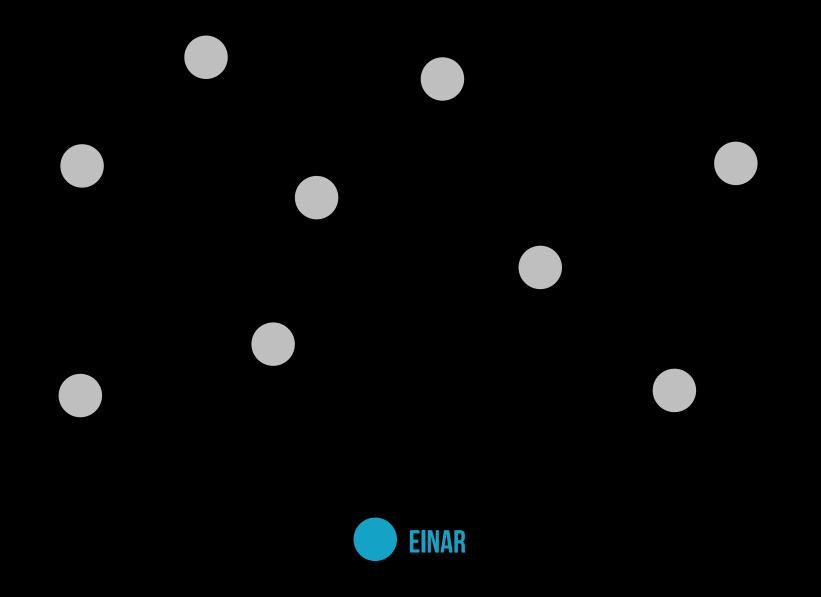
LONG RANGE

ASSUMPTION

YOU WART IMPACT

AR EXAMPLE





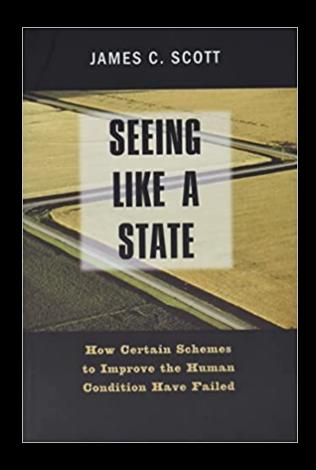
I COME WITH OPINIONS

I BELIEVE IN DOMAIN-DRIVEN DESIGN

I AM SKEPTICAL OF PROCESS THEATRE

I BELIEVE IN THE NEED FOR LEADERSHIP

I AM SKEPTICAL OF TOP-DOWN LEADERSHIP



IBELIEVE IN INCREMENTAL IMPROVEMENTS

I AM SKEPTICAL OF GRAND REWRITES

EMPOWERED AUTONOMOUS TEAMS

AMSKEPTICAL OF INDIVIDUAL PROGRAMMER HEROICS

BUT THESE ARE JUST EXAMPLES

AM HUMAN

AM COMPLEX

KNOWLEDGE & EXPERIENCE

STRENGTHS & WARRESSES

HOPES & FEARS

CONFIDENCE & INSECURITY

PET PEEVES

LIMITED RATIONALITY

DRIVEN BY EMOTIONS

COGNITIVE BIASES

BLIND SPOTS

I AM MADE OF NARRATIVES

I HAVE A SELF-IMAGE

I HAVE SELF-IMAGES

The Self We Live By

Narrative Identity in a Postmodern World

JAMES A. HOLSTEIN JABER F. GUBRIUM

Personal Personal Services &

WHAT ARE MY NARRATIVES?

AMAGOOD PERSON

AM AGOOD DEVELOPER

DO MY BEST

I DESERVE MY PAY CHECK

CHALLENGES & THREATS

I EXPERIENCE COGNITIVE DISSONANCE

INEED COGNITIVE CLOSURE

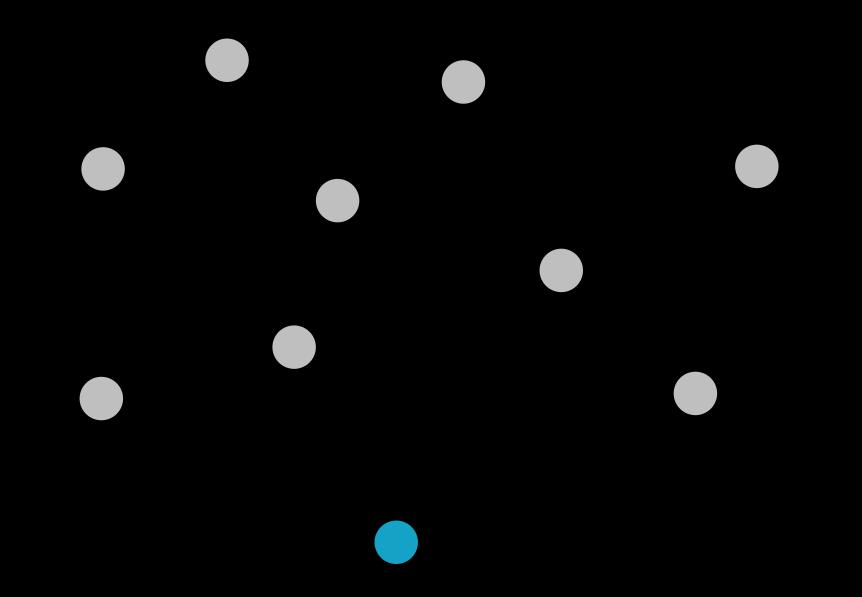
SELF-DEFENSE MECHANISMS IN PLACE

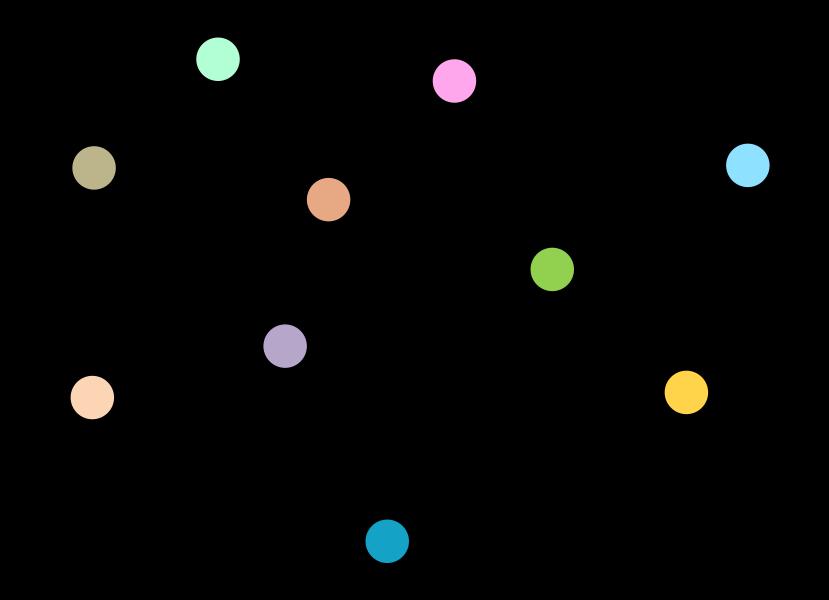
NOTJUST ME

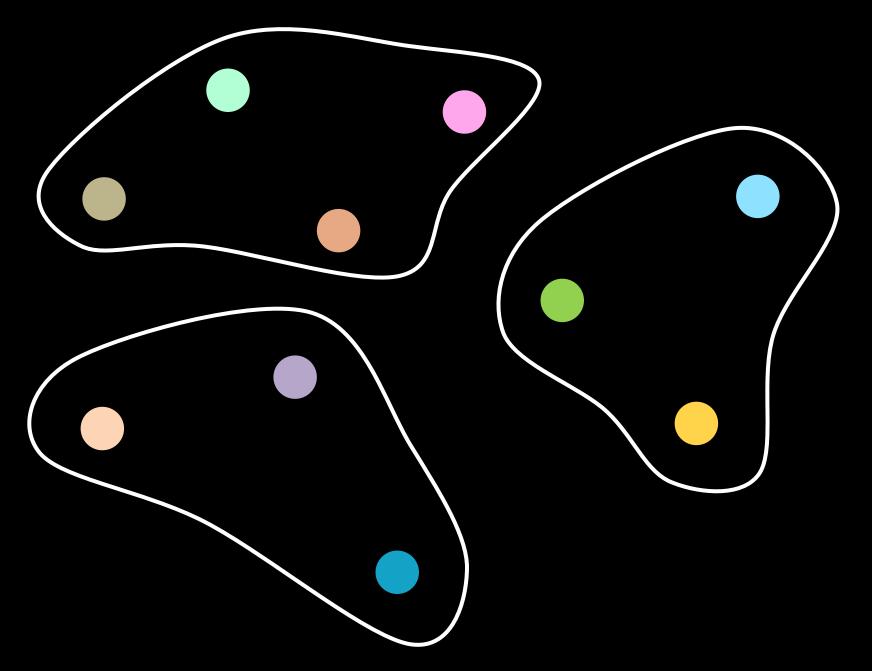
EVERYONE IS LIKE THIS

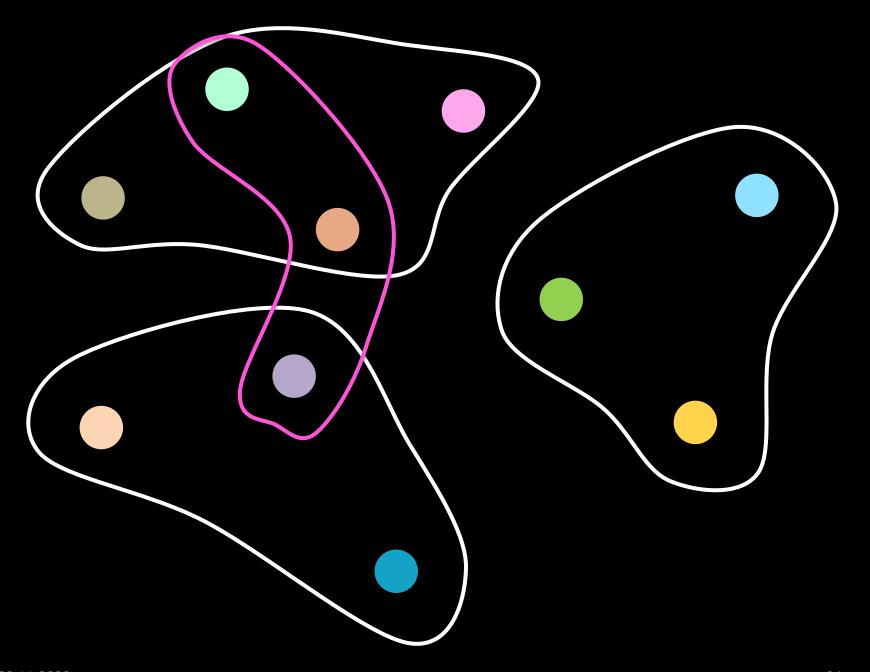
OUR SELF-MECHANISMS AREASILY TRIGGERED

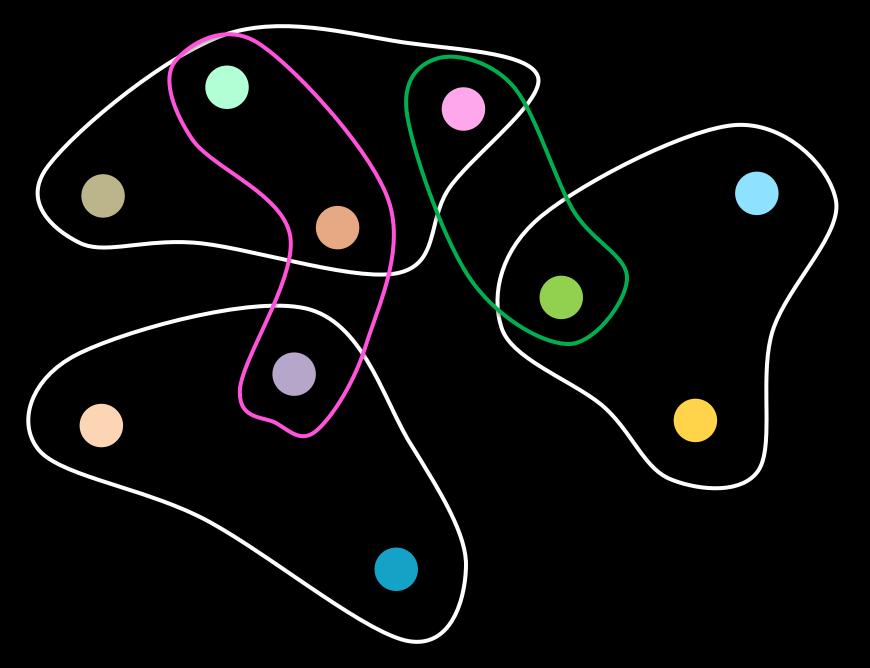
JUST USING DIFFERENT TECHNOLOGY IS AN IMPLICIT ACCUSATION!

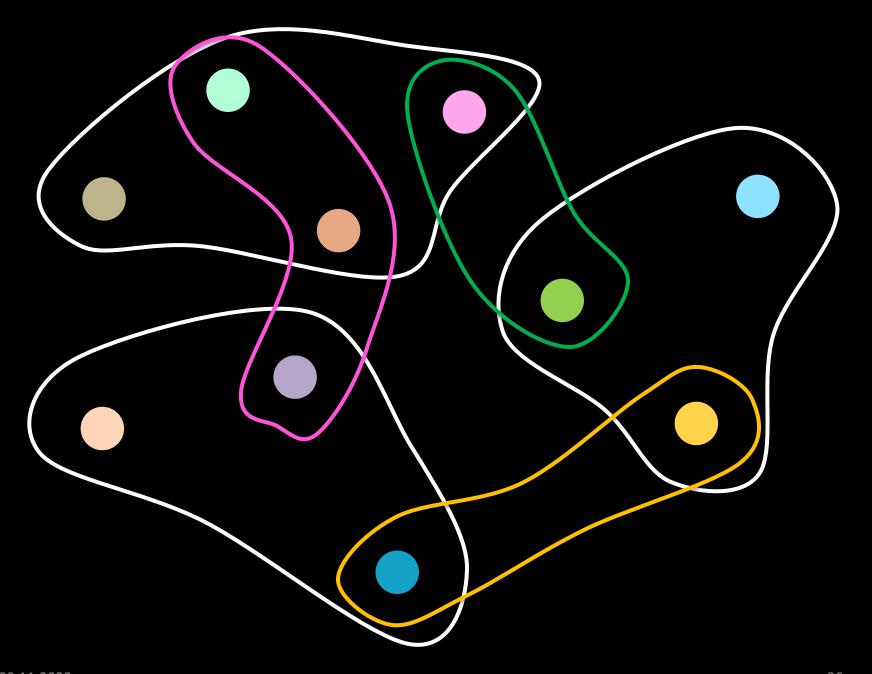












GROUPS OF WE'S ON TOP OF THE ME'S

GROUP IDENTITY AS WELLAS INDIVIDUAL IDENTITY

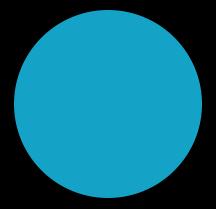
GROUP PSYCHOLOGY ASWELLAS INDIVIDUAL PSYCHOLOGY

MEISJUST THE SMALLEST WE

HOW TO WORK WELL TOGETHER?

RELUCTANCE TO TALK





AMBIGUITY

THE DESK FORCE

THE LAND OF UNKNOWN TRUST

THEY TOO MIGHT BE RELUCTANT TO TALK

ARTICULATE YOUR PROBLEM

WHAT IF YOU DON'T LIKE THE ANSWER?

DISCUSSIONS & NEGOTIATIONS

POSSIBILITY OF CONFLICT

WHY IS THERE AN AMBIGUITY?

MAYBE THEY'RE EXPRESSING THEMSELVES

MAYBE THERE'S INDECISION AND CONFLICT HIDDENTHERE

DOIWANT TO TRICGER THAT?

SELF-DEFENSE MECHANISMS

THEY'RE PROBABLY BUSY

I CAN'T BOTHER THEM WITH THIS

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118

NO-ONE ELSE ASKS THESE QUESTIONS

CAN I SOLVE IT BY MAKING AN ASSUMPTION?

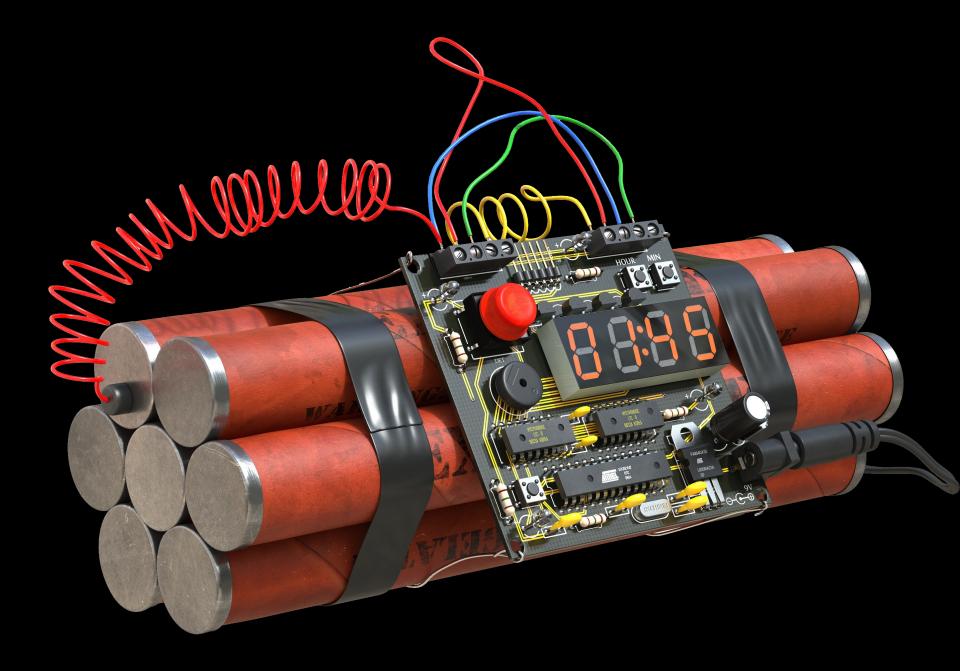
ASSUMPTION

GUESS

MAKING S**T UP

PROXY PERSON

ASSUMPTORS AREBETS AGAINST THE FUTURE



IT WOULD BE NICE IF WE WOULD TALK

HOW TO TALK

RHETORIC AS DEVELOPER SELF-DEFENSE

DO X

YAGNI

BEST PRACTICE

GOLD PLATING

IT'S A PATTERN

MYUNCLE SAYS

MY AUNT SAYS



WE REED TO DO BETTER

YOU CAN'T WIN BY FIGHTING NARRATIVES

WHYDON'T I WANT TO DO X?

MAYBEITHINK XISABADIDEA IN GENERAL

MAYBEITHINK X IS A GOOD IDEA IN THE RIGHT CONTEXT BUT NOT IN THIS ONE

MAYBE I WOULD LIKETODOX BUT DON'T KNOW HOW

MAYBE I DON'T FEEL CONFIDENT CANDOX OR MY OWN

MAYBEIDON'T UNDERSTAND WHAT X MEANS

WHYDON'T SAY SO?

TRUST

HOW TO BUILD TRUST?

CURIOSITY

EMPATHY

HUMILITY

BE PREPARED TO CHANGE YOUR MIND

SHOWIHAI YOU CAN AND DO CHARGE YOUR MIND

PRACTICAL TECHNIQUES

COACHING

YOU CAN'T MAKE PEOPLE CHANGE THEIR MIND

YOU CAN'T FORCE PEOPLE TO AGREE

HELP OTHERS BE SUCCESSFUL

SHOW PEOPLE HOW TO BE SUCCESSEUL WITHX

WORK WITH OTHERS ON THEIR PROBLEMS

ENSEMBLE PROGRAMING

ENSEMBLES ARE A COUNTERFORCE TO THE DESK FORCE

ENSEMBLES ARE HARDER TO FOOL THAN YOURSELF

ENSEMBLES ARE BETTERAT FIGURING OUT WHO TO TALK TO

OVERCOMETHE SOCIAL AWKWARDNESS

ENSEMBLES ARE ALREADY A CONVERSATION

AUTONOMY

WHATIS AUTONOMY?

FREEDOM?

FREEDOM TO?

FREEDOM FROM?

FRIHET UNDER ANSVAR

ACCOUNTABILITY

BEING ADULTS

CLAIMING RESPONSIBILITY FOR OUTCOMES

AUTONOMY AS A FUNCTION OF RESPONSIBILITY

AUTONOMY TO DO WHAT?

SIGNIFICANCE

BROADEN THE ENGAGEMENT

PLANES OF EXISTENCE

CAN DEVELOPERS BE TRUSTED WITH MONEY?

ARE DEVELOPERS WILLING TO DISCUSS MONEY?

ENGAGE WITH THE WHOLE SOCIO-TECHNICAL CONTEXT

SUMMARY

SOFTWARE IS SOCIO-TECHNICAL

WE ARE HUMAN

TRUST

EVERYONE CAN LEAD AND HAVE IMPACT

SUSTAINABLE SOCIO-TECHNICAL SYSTEMS