Visible speakers and the surrounding space – in moving images of MOOCs

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Northwestern Switzerland

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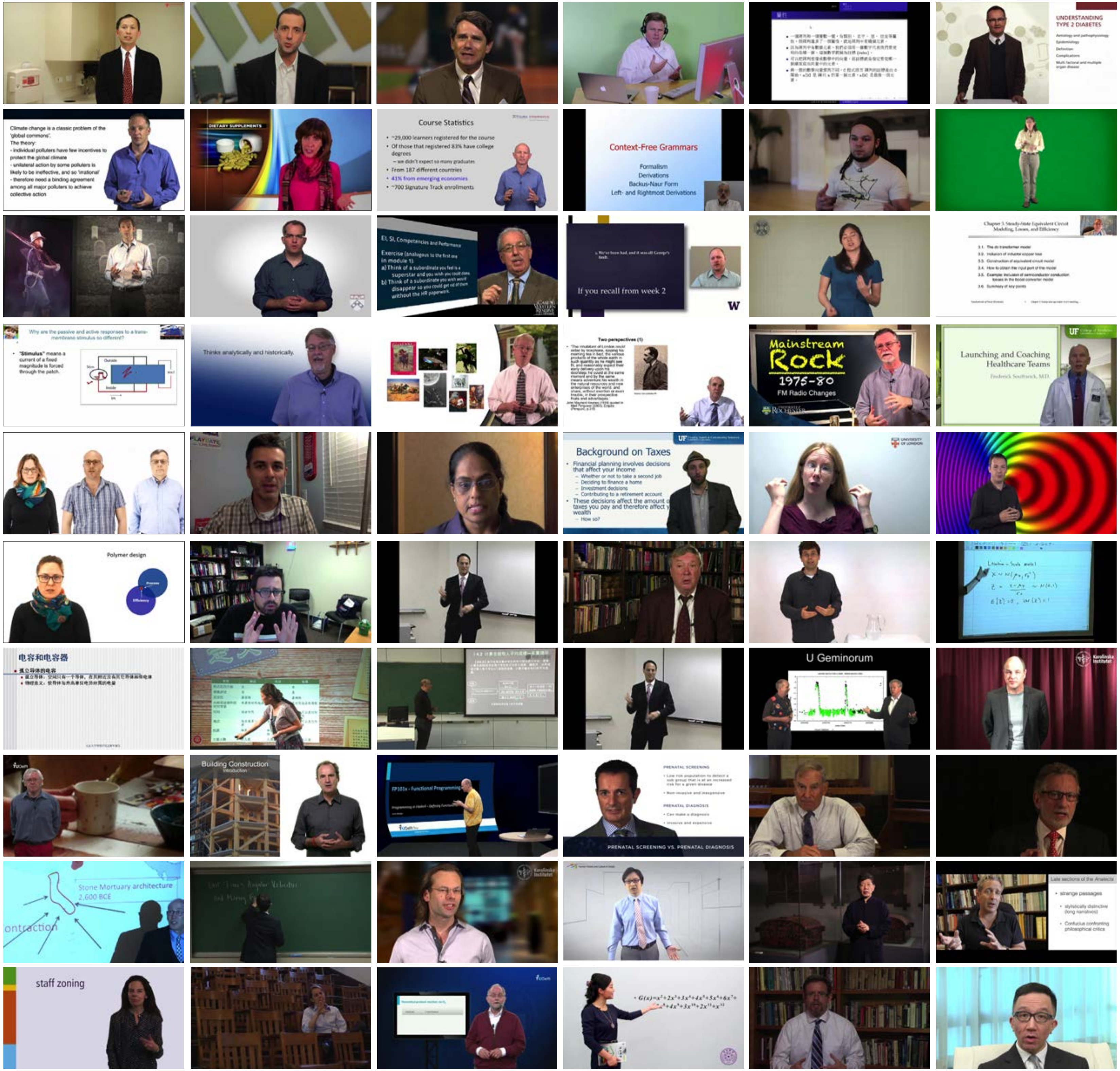
FÉDÉRALE DE LAUSANNE

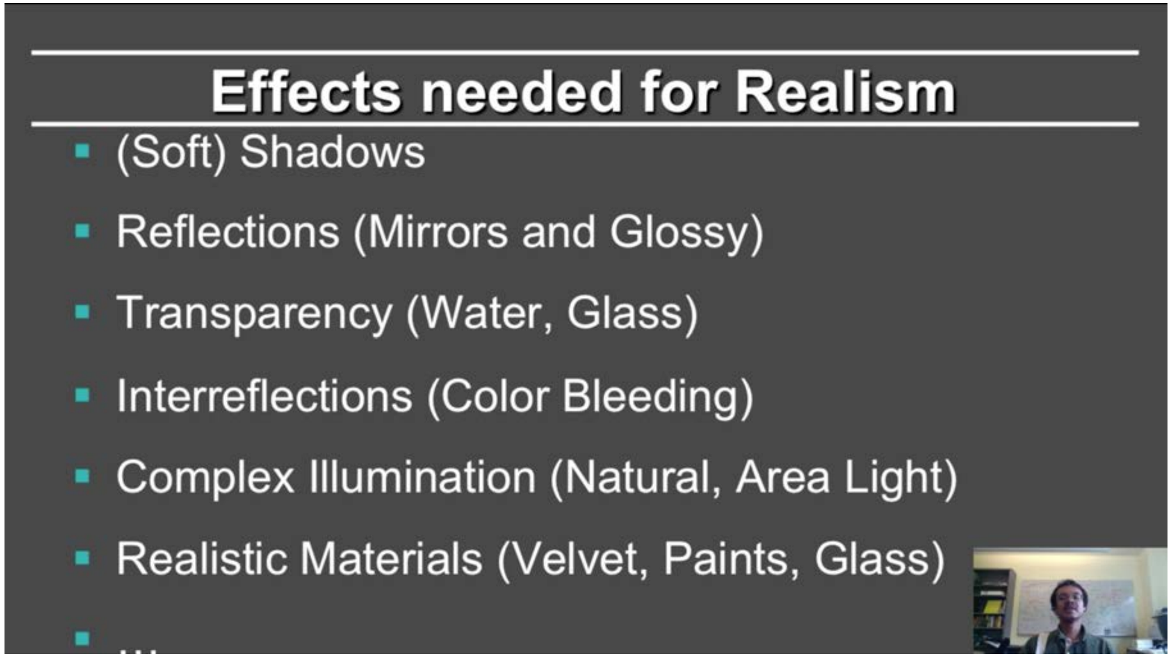
UNI
BASEL

1 Introduction
2 Data Set
3 Visible speakers and their surrounding spaces
4 Conclusion


UNDERSTANDING TYPE 2 DIABETES
DIETARY SUPPLEMENTS
Course Statistics
Context-Free Grammars
If you recall from week 2
Thinks analytically and historically.
Two perspectives (1)
Mainstream Rock
1975-80
FM Radio Changes
Launching and Coaching Healthcare Teams
Background on Taxes
Polymer design
电容和电容器
U Geminorum
Building Construction
FP101x - Functional Programming
PRENATAL SCREENING VS. PRENATAL DIAGNOSIS
Stone Mortuary architecture
2,600 BCE
staff zoning

- September 2014 till January 2015
- all MOOC Courses from Coursera, edX, Futurelearn (UK) & Iversity (DE)
- overall 448 MOOC Kurse

- Lecture video: 1. lecture-video in every 3. week (except introduction videos)



Effects needed for Realism

- (Soft) Shadows
- Reflections (Mirrors and Glossy)
- Transparency (Water, Glass)
- Interreflections (Color Bleeding)
- Complex Illumination (Natural, Area Light)
- Realistic Materials (Velvet, Paints, Glass)

MOOC: Foundations of Computer Graphics, UC Berkeley
(7 MOOCs in total from UC Berkeley)

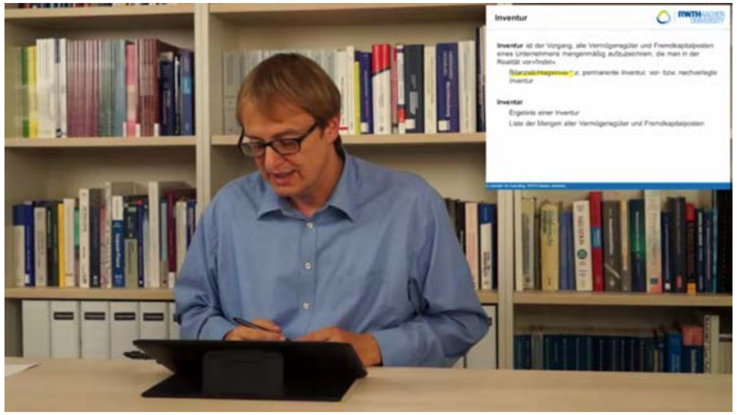
MOOCs	Numbers
MOOC courses	448
Different Universities	160
Different Countries	35
Disciplines	63

Visible Speakers	Overall 448 courses
Visible Speakers	75%

Visible Speakers and the surrounding spaces

Presentation slides with speaker	23%
Monochrome	20%
Green screen	19%
Book shelf	17%
On-Location	16%
Split screen	11%
Outdoor	9%
Classroom with students	7%
Classroom without students	6%

Other categories like Animation, Screen-Capture etc. are not listed in this table.



Inventur ist der Vorgang, alle Vermögensgüter und Fremdkapitalposten eines Unternehmens mengenmäßig aufzuzeichnen, die man in der Realität vorfindet.

Bilanzstichtagsinventur, z. permanente Inventur, vor- bzw. nachverlegte Inventur

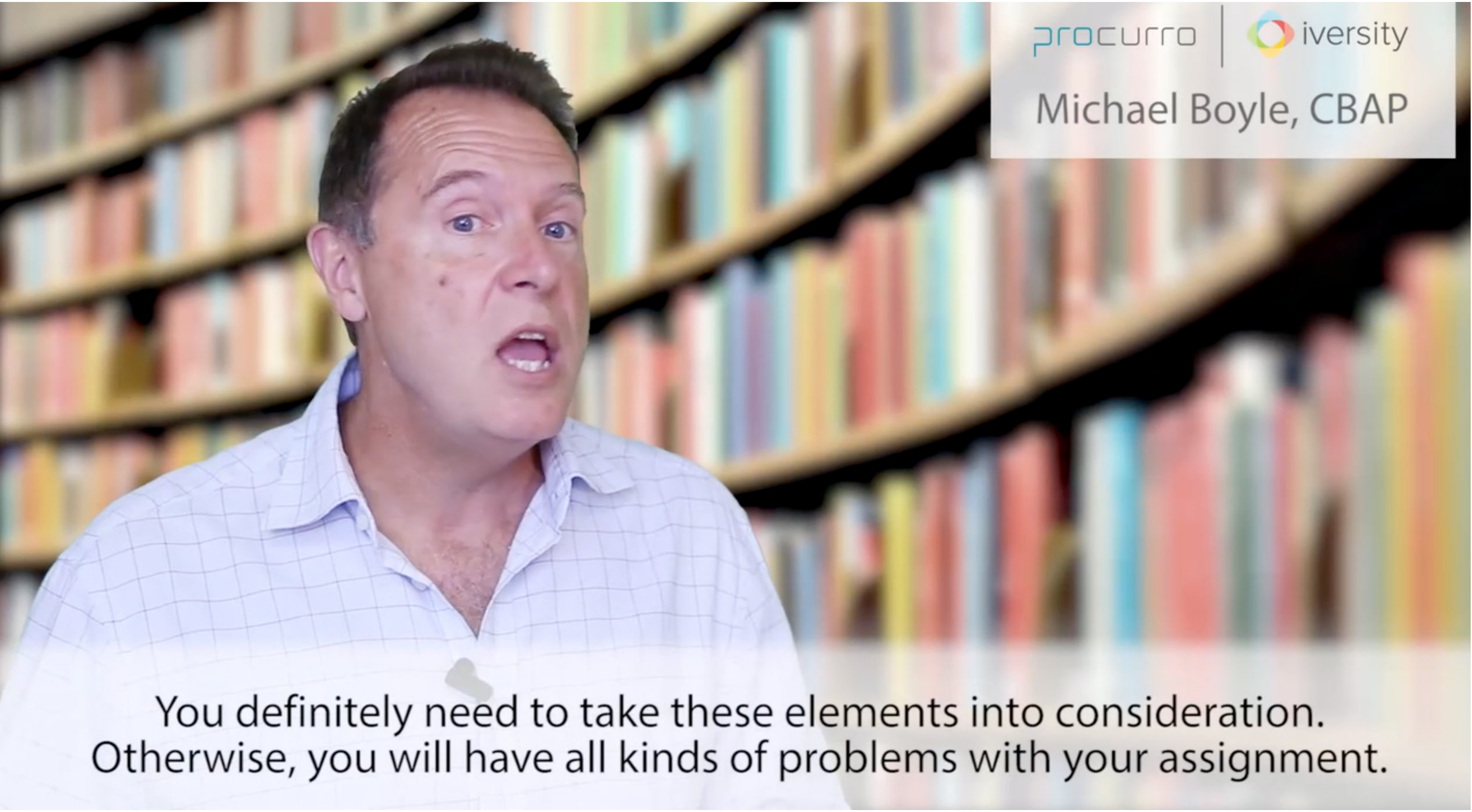
Inventar

Ergebnis einer Inventur

Liste der Mengen aller Vermögensgüter und Fremdkapitalposten

MOOC: History of the Slave South, University of Pennsylvania US

MOOC: History of the Slave South, University of Pennsylvania US


procurro
iversity
Michael Boyle, CBAP

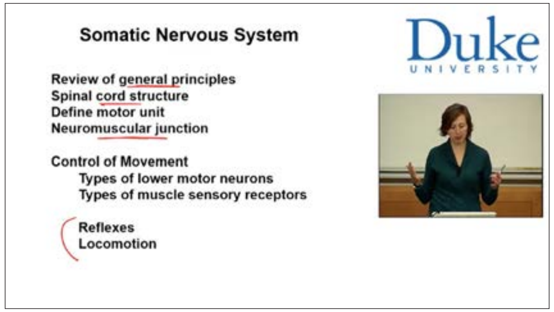
You definitely need to take these elements into consideration. Otherwise, you will have all kinds of problems with your assignment.

MOOC: Sectio chirurgica - Klinische Anatomie Kopf / Hals, University Tübingen DE

Civilization Improved by Writing, Documentation and Distribution

- Year 3,100 B.C. : Cuneiform
- Year 105 A.D. : PAPER Invented
- Year 800 A.D. : Books Printed

ISSCC Preview: Circuit and System Insights

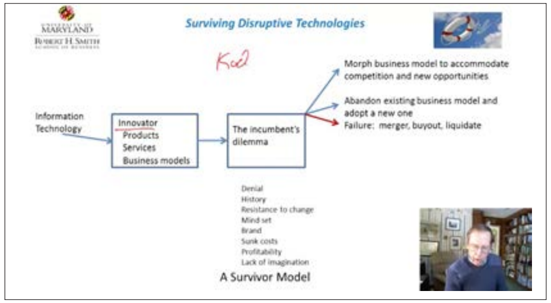


Somatic Nervous System

Review of general principles
Spinal cord structure
Define motor unit
Neuromuscular junction

Control of Movement
 Types of lower motor neurons
 Types of muscle sensory receptors

Reflexes
Locomotion

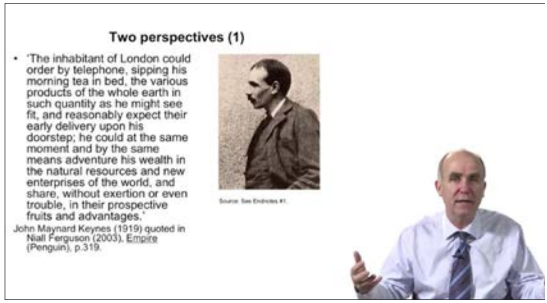


Surviving Disruptive Technologies

Kod

Information Technology
Innovator
Products
Services
Business models
The incumbent's dilemma
Morph business model to accommodate competition and new opportunities
Abandon existing business model and adopt a new one
Failure: merger, buyout, liquidate
Denial
History
Resistance to change
Mind set
Brand
Sunk costs
Profitability
Lack of imagination

A Survivor Model

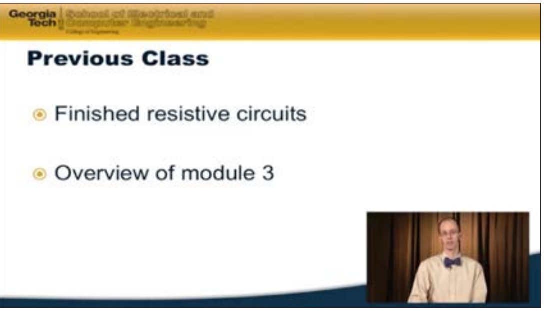


Two perspectives (1)

- 'The inhabitant of London could order by telephone, sipping his morning tea in bed, the various products of the whole earth in such quantity as he might see fit, and reasonably expect their early delivery upon his doorstep; he could at the same moment and by the same means adventure his wealth in the natural resources and new enterprises of the world, and share, without exertion or even trouble, in their prospective fruits and advantages.'

John Maynard Keynes (1919) quoted in Niall Ferguson (2003), Empire (Penguin), p.319.

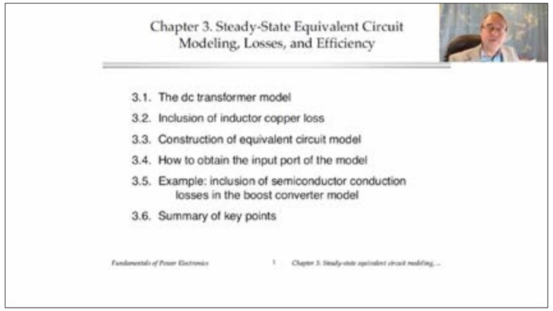
Source: See Endnotes #1.



Georgia Tech

Previous Class

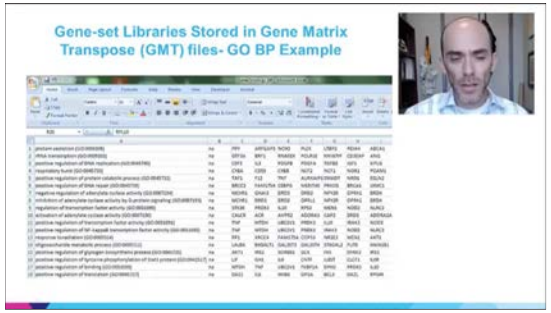
- Finished resistive circuits
- Overview of module 3



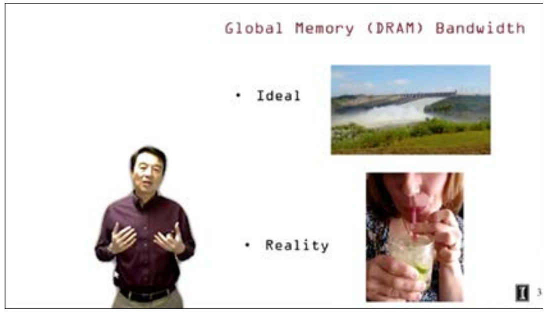
Chapter 3. Steady-State Equivalent Circuit Modeling, Losses, and Efficiency

3.1. The dc transformer model
3.2. Inclusion of inductor copper loss
3.3. Construction of equivalent circuit model
3.4. How to obtain the input port of the model
3.5. Example: inclusion of semiconductor conduction losses in the boost converter model
3.6. Summary of key points

Fundamentals of Power Electronics 1 Chapter 3: Steady-state equivalent circuit modeling, ...

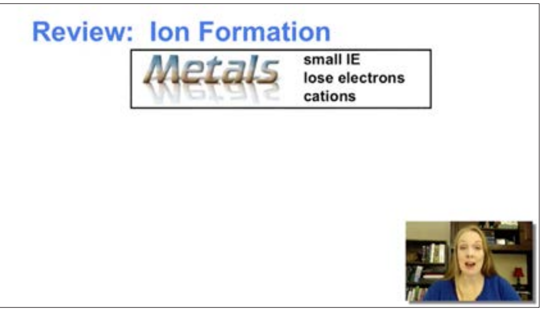


Gene-set Libraries Stored in Gene Matrix Transpose (GMT) files- GO BP Example



Global Memory (DRAM) Bandwidth

- Ideal
- Reality

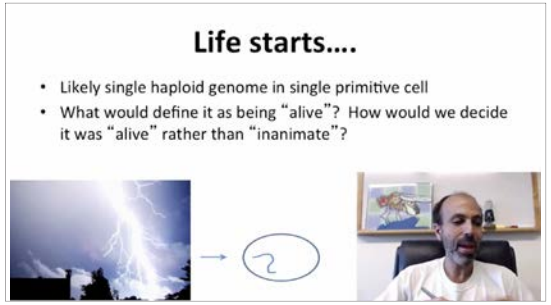


Review: Ion Formation

Metals	small IE lose electrons cations

Context-Free Grammars

Formalism
Derivations
Backus-Naur Form
Left- and Rightmost Derivations



Life starts....

- Likely single haploid genome in single primitive cell
- What would define it as being "alive"? How would we decide it was "alive" rather than "inanimate"?

Dominated Strategies

Game Theory Online

Should Grace celebrate her 91st birthday by jumping out of a plane strapped to this guy?

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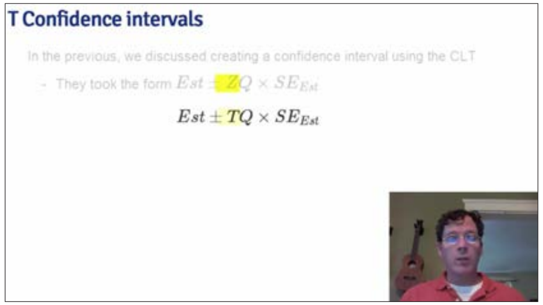
GRC Overview

Origins of the Law

- Judge-made law: also provides precedents for dealing with situations not covered by statutes or delegated legislation and can in effect alter existing statute law over time, although parliaments can alter statutes at any time.
- Law Reports: published significant deliberations of courts.

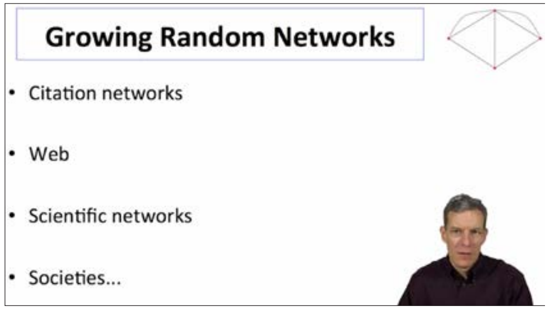


T Confidence intervals

In the previous, we discussed creating a confidence interval using the CLT

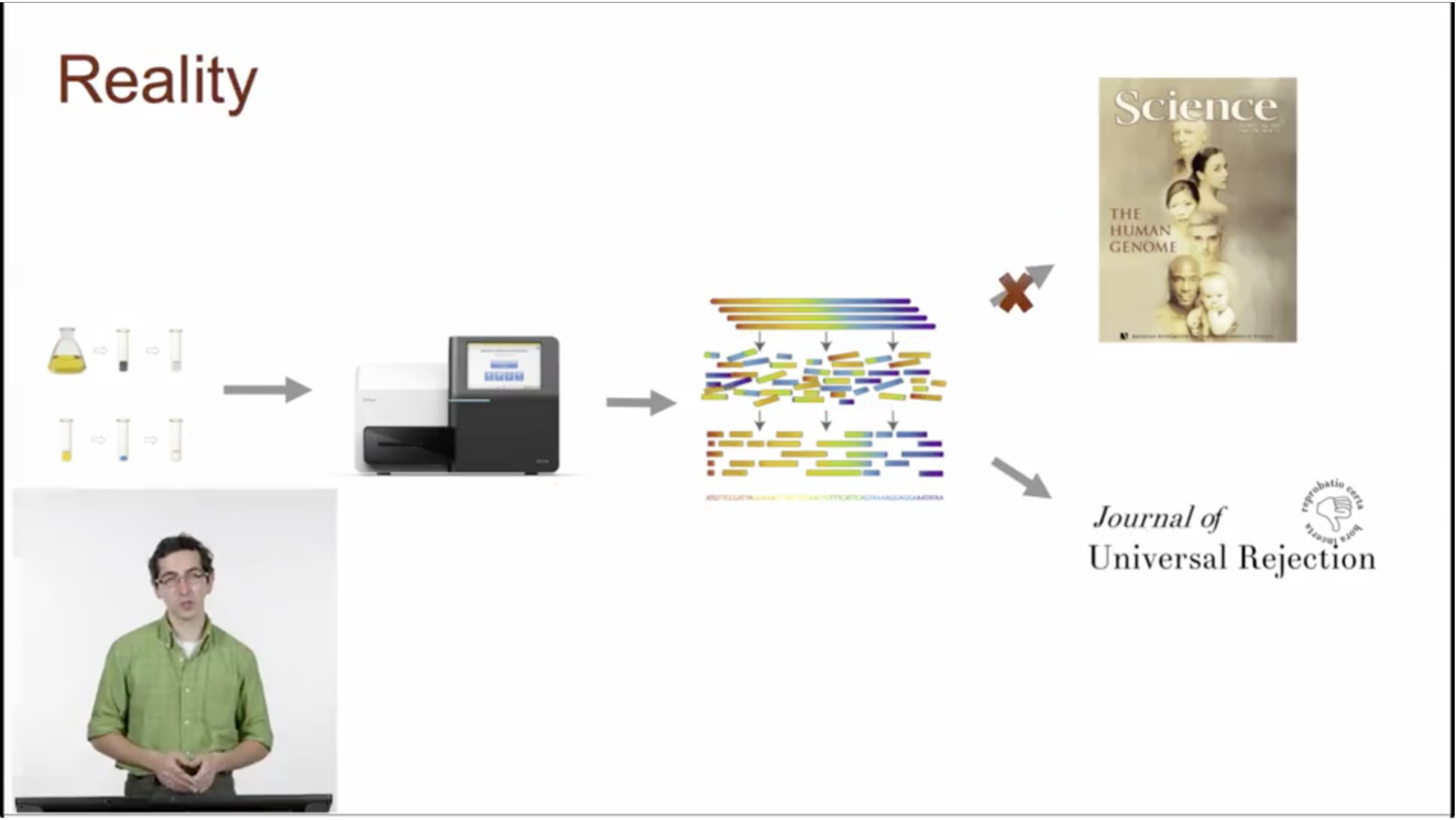
- They took the form $Est \pm ZQ \times SE_{Est}$

$$Est \pm TQ \times SE_{Est}$$



Growing Random Networks

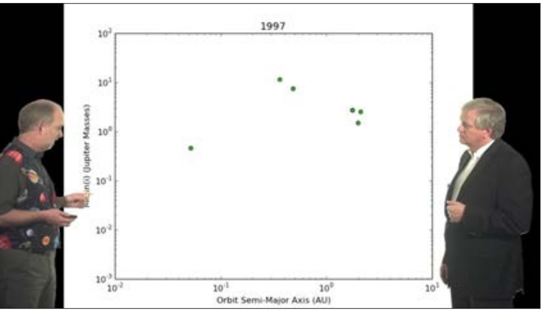
- Citation networks
- Web
- Scientific networks
- Societies...



Reality

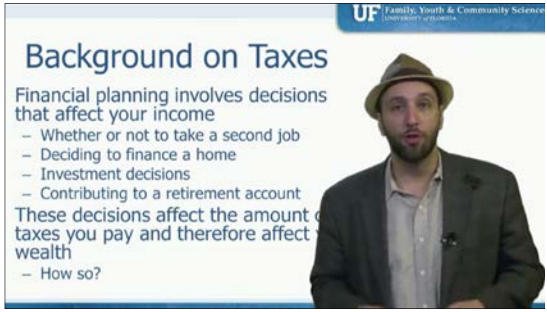
Science
THE HUMAN GENOME
Journal of Universal Rejection
reprobatio certa
hora incerta

MOOC: Introduction to Bioinformatics, Saint Petersburg State University RU


1997
M sin(i) (Jupiter Masses)
Orbit Semi-Major Axis (AU)

THE UNIVERSITY OF TOKYO

Thinks analytically and historically.


UF Family, Youth & Community Sciences
UNIVERSITY of FLORIDA

Background on Taxes

Financial planning involves decisions that affect your income
- Whether or not to take a second job
- Deciding to finance a home
- Investment decisions
- Contributing to a retirement account

These decisions affect the amount o taxes you pay and therefore affect y wealth
- How so?

WESTERN MUSIC IN THE 20th CENTURY
音乐的空间
ON MUSIC SPACE
毕明辉 博士
Dr. Bryan Minghui Bi
欢迎来到20世纪西方音乐 分享课程的第三大入门课题
Welcome to the course Western Music in the 20th Century

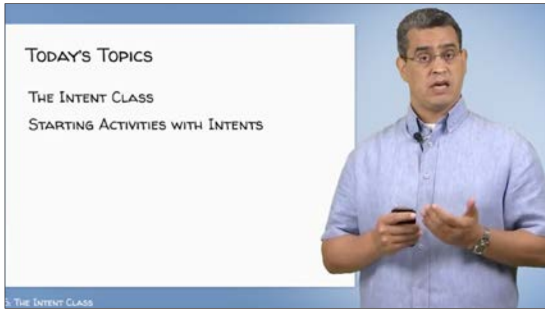
Essential ingredients for true experiments

Manipulation

Comparison

RESEARCH DESIGNS: TRUE EXPERIMENTS

DIETARY SUPPLEMENTS



TODAY'S TOPICS

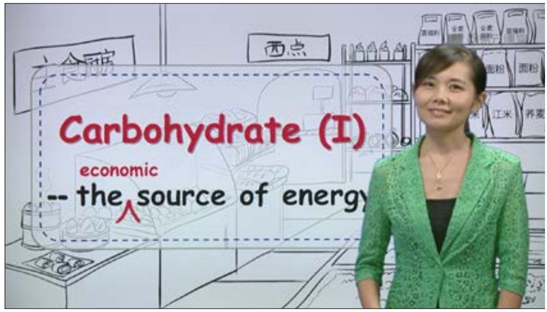
THE INTENT CLASS

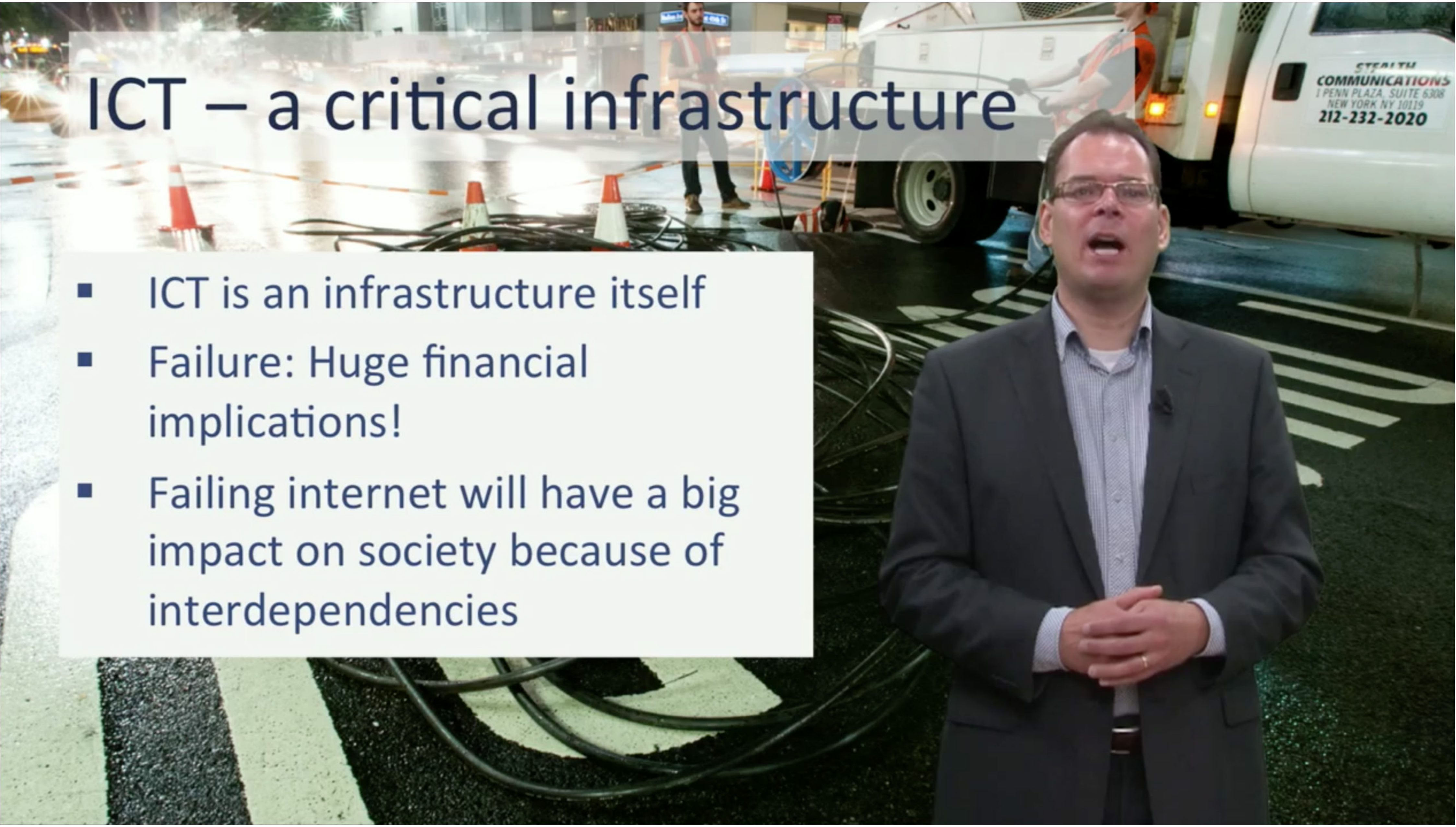
STARTING ACTIVITIES WITH INTENTS

THE INTENT CLASS

UNIVERSITY OF LIVERPOOL
Professor John Read
CLINICAL PSYCHOLOGIST, INSTITUTE OF PSYCHOLOGY

1966 Overview
Touring and Recording
February
Appear on
The Ed Sullivan Show
UNIVERSITY of ROCHESTER


西点
Carbohydrate (I)
-- the economic source of energy

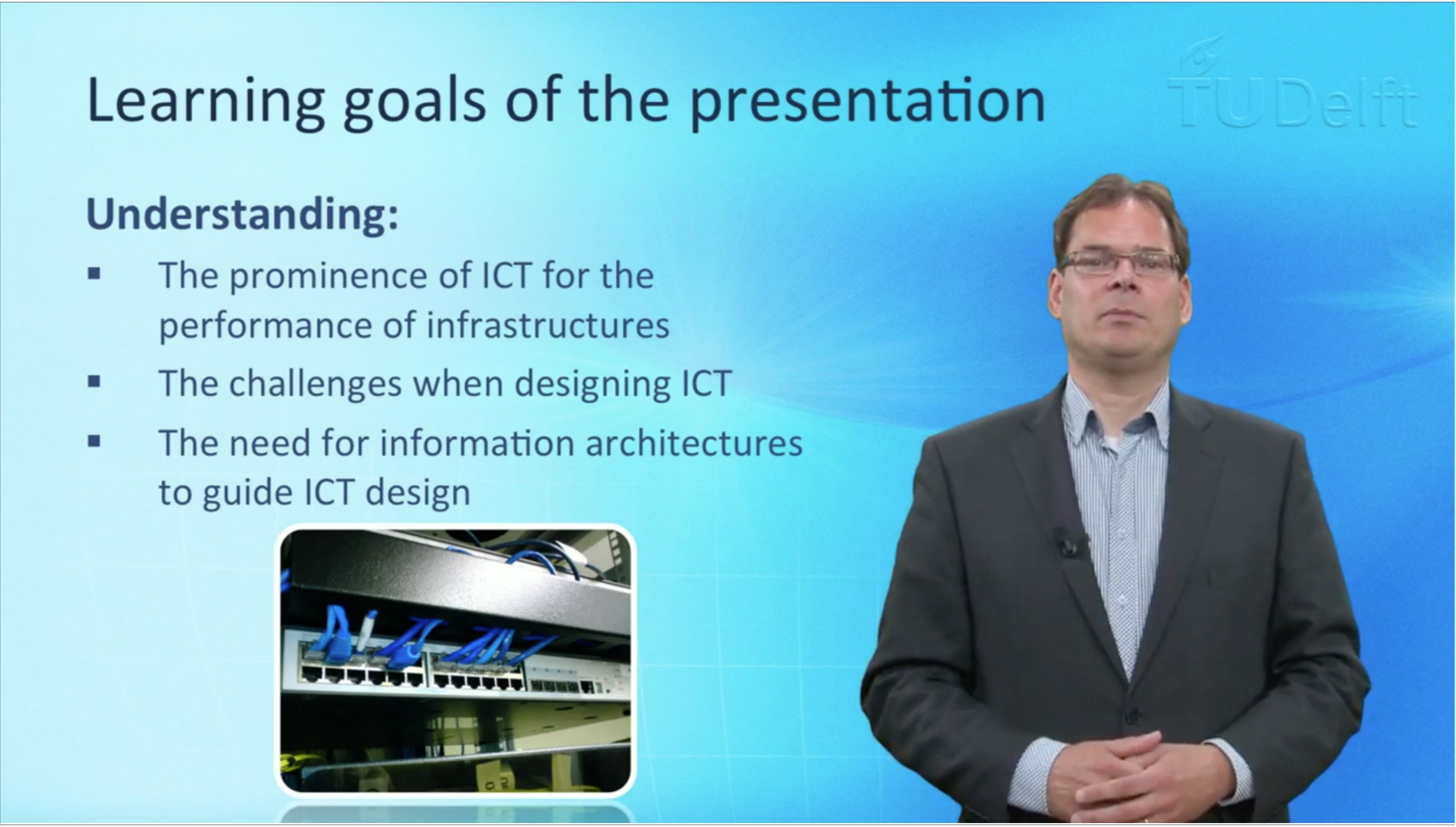


ICT – a critical infrastructure

- ICT is an infrastructure itself
- Failure: Huge financial implications!
- Failing internet will have a big impact on society because of interdependencies

STEALTH
COMMUNICATIONS
1 PENN PLAZA, SUITE 6308
NEW YORK NY 10119
212-232-2020

MOOC: Next Generation Infrastructures - Part 2, Delft University NL



Learning goals of the presentation

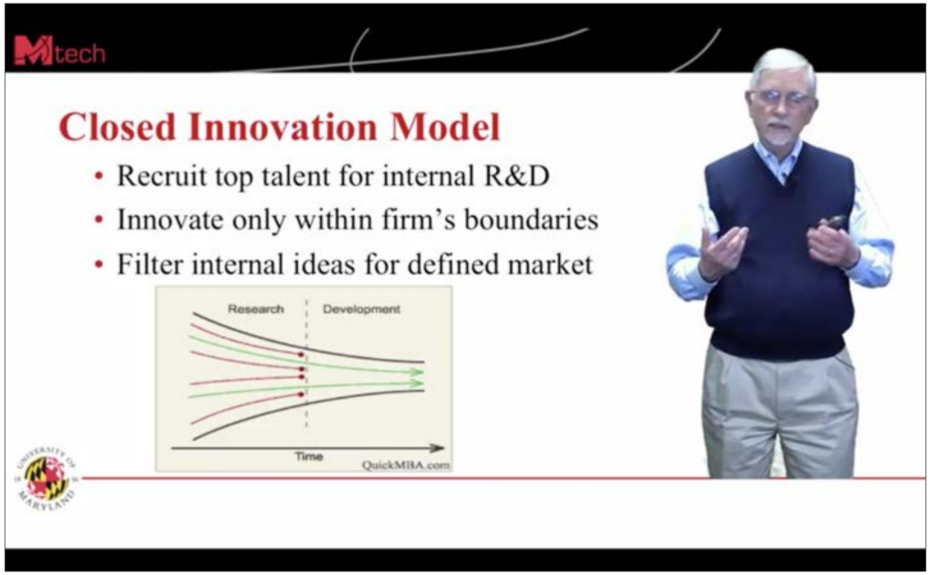
Understanding:

- The prominence of ICT for the performance of infrastructures
- The challenges when designing ICT
- The need for information architectures to guide ICT design

MOOC: Next Generation Infrastructures - Part 2, Delft University NL

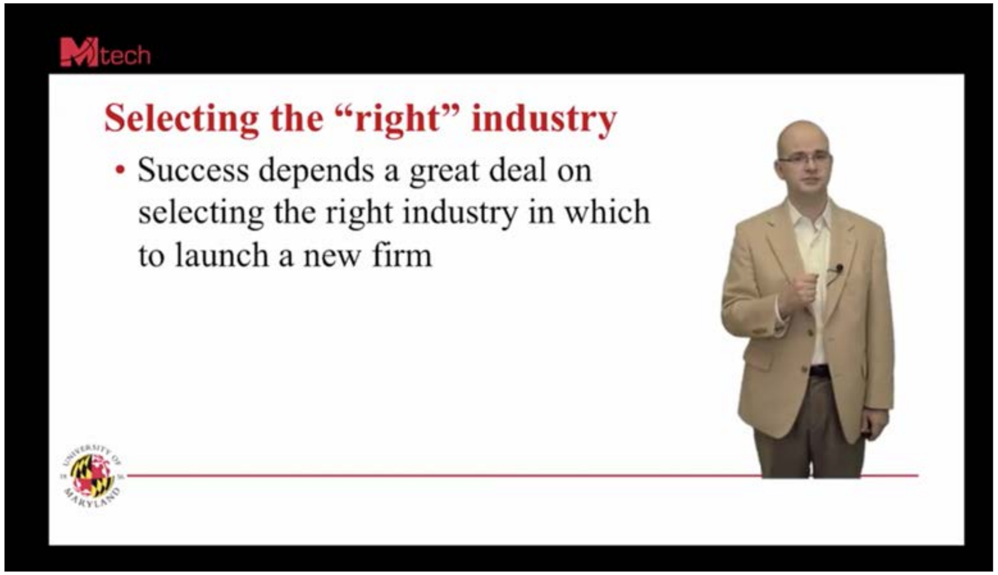
MOOC: Delft Design Approach, Delft University NL

MOOC: Make an Impact: Sustainability for Professionals, University of Bath UK



Closed Innovation Model

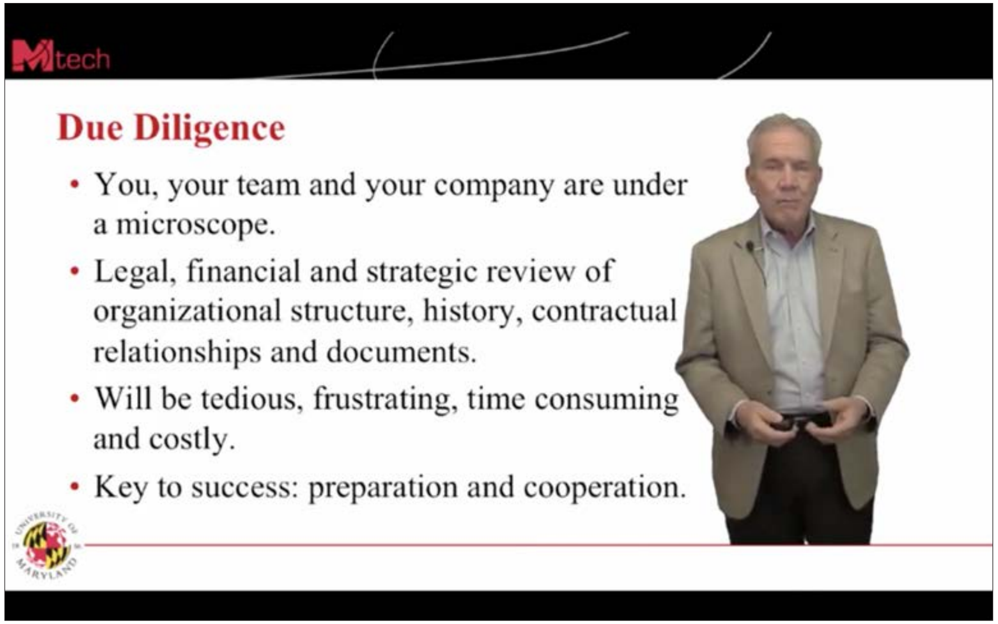
- Recruit top talent for internal R&D
- Innovate only within firm's boundaries
- Filter internal ideas for defined market



Selecting the "right" industry

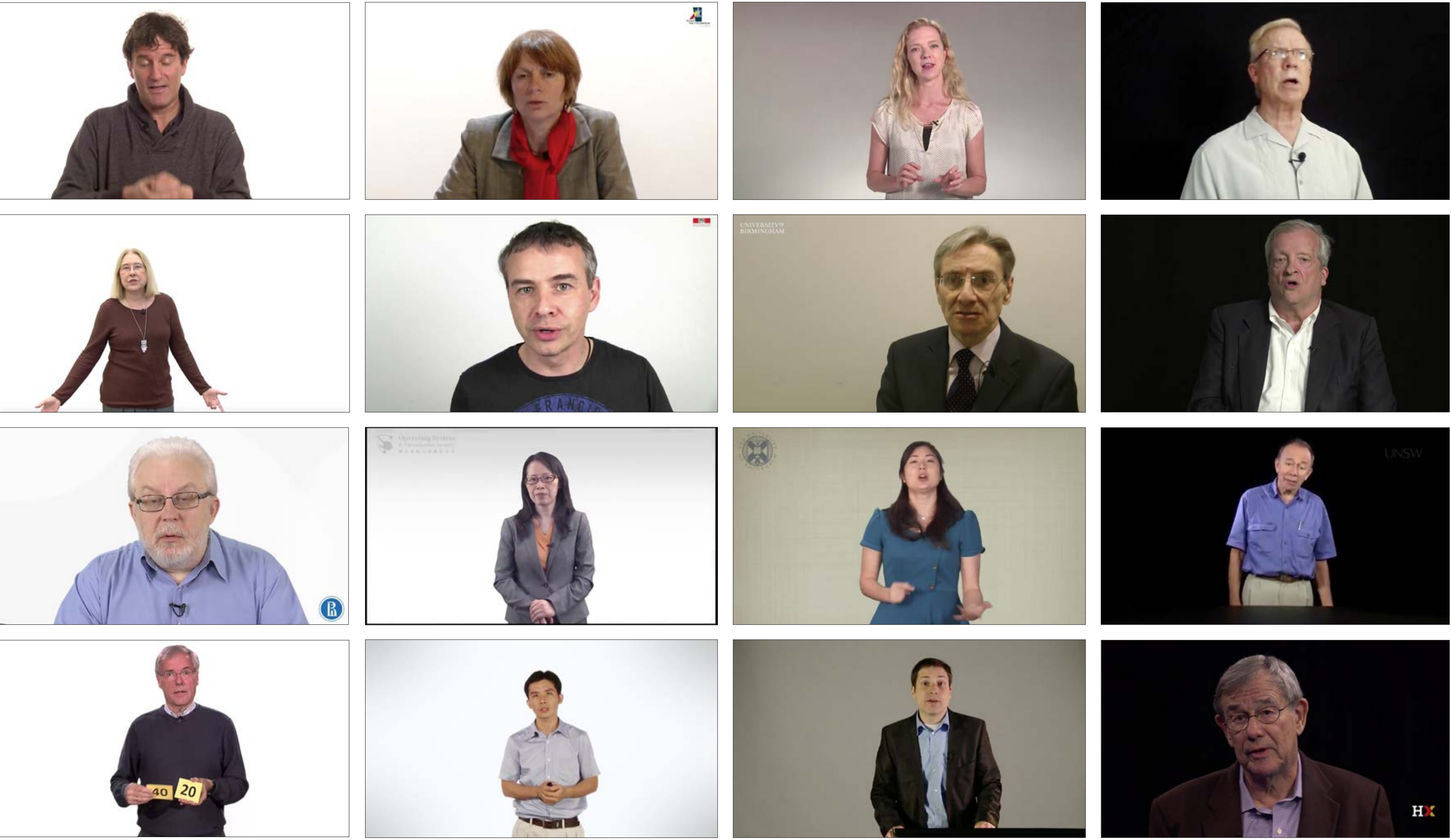
- Success depends a great deal on selecting the right industry in which to launch a new firm

University of Maryland US
MOOCs: Innovation for Entrepreneurs: From Idea to Marketplace; Developing Innovative Ideas for New Companies: The First Step in Entrepreneurship; New Venture Finance: Startup Funding for Entrepreneurs



Due Diligence

- You, your team and your company are under a microscope.
- Legal, financial and strategic review of organizational structure, history, contractual relationships and documents.
- Will be tedious, frustrating, time consuming and costly.
- Key to success: preparation and cooperation.


UNIVERSITY OF BIRMINGHAM
Operating System & Virtualization Security
UNSW
40
20
HX

Thank you for your attention!

GEBERT RÜF STIFTUNG
WISSENSCHAFT.BEWEGEN

n|w University of Applied Sciences and Arts
Northwestern Switzerland

UNIVERSITÄT
PASSAU

EPFL
ÉCOLE POLYTECHNIQUE
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UNI
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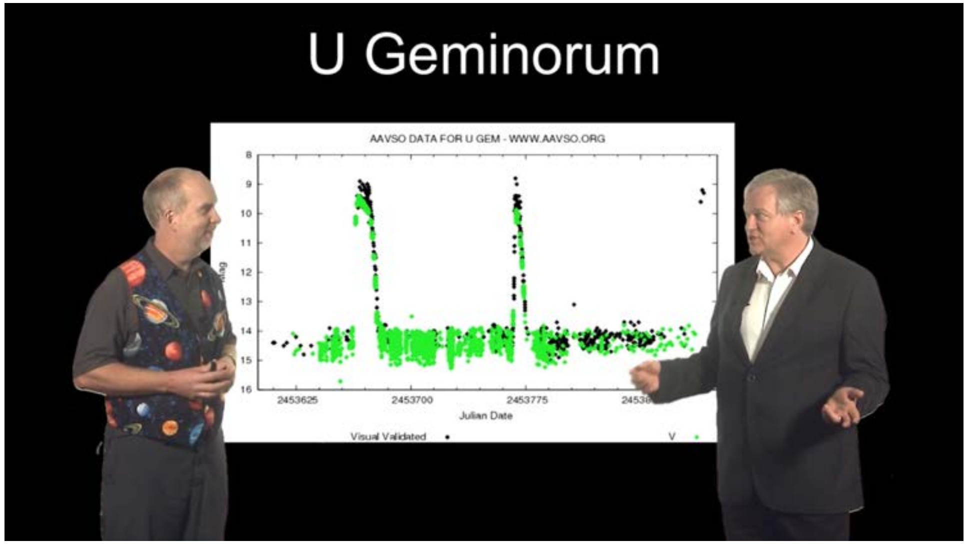
MOOC video mash-up on:
http://www.audiovisualresearch.org/moocs/

Two speakers in the same frame


U Geminorum
AAVSO DATA FOR U GEM - WWW.AAVSO.ORG
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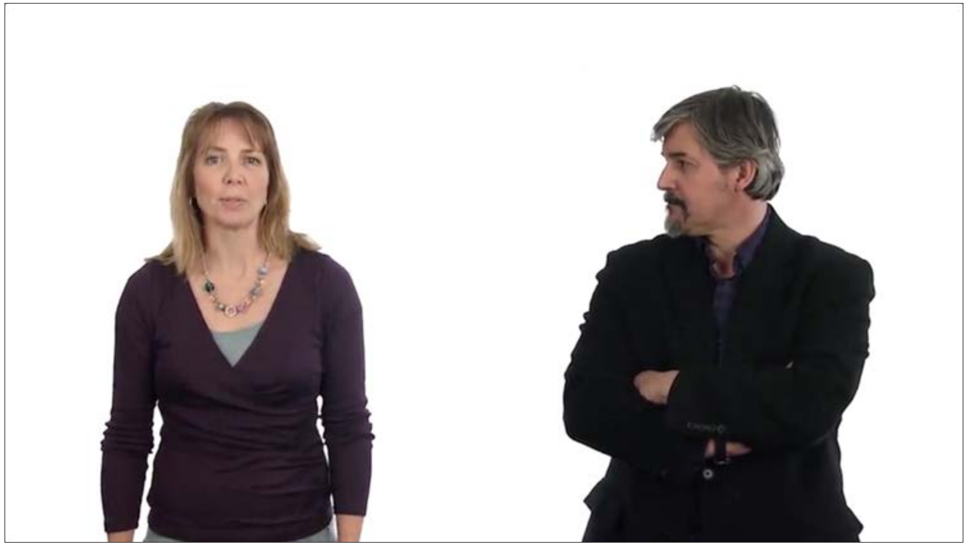
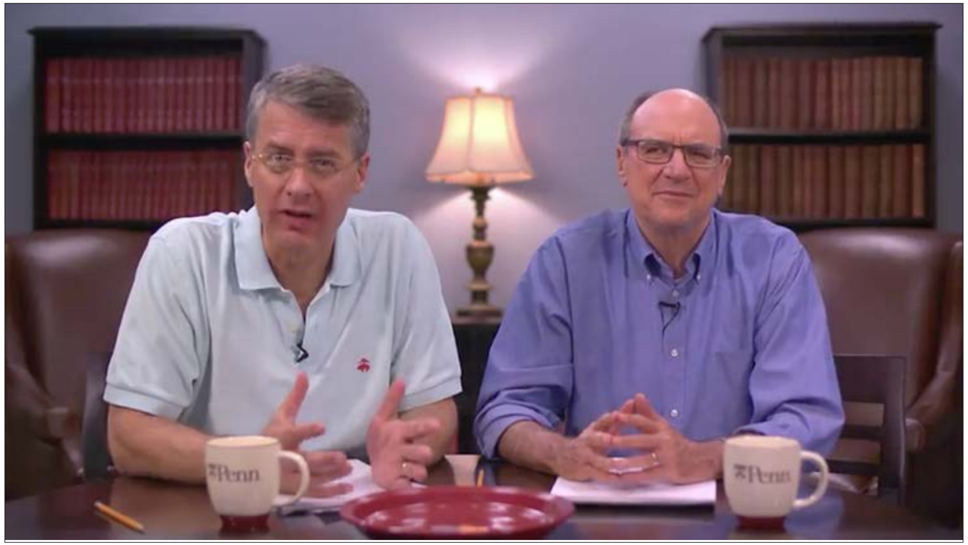
Julian Date
Visual Validated
V

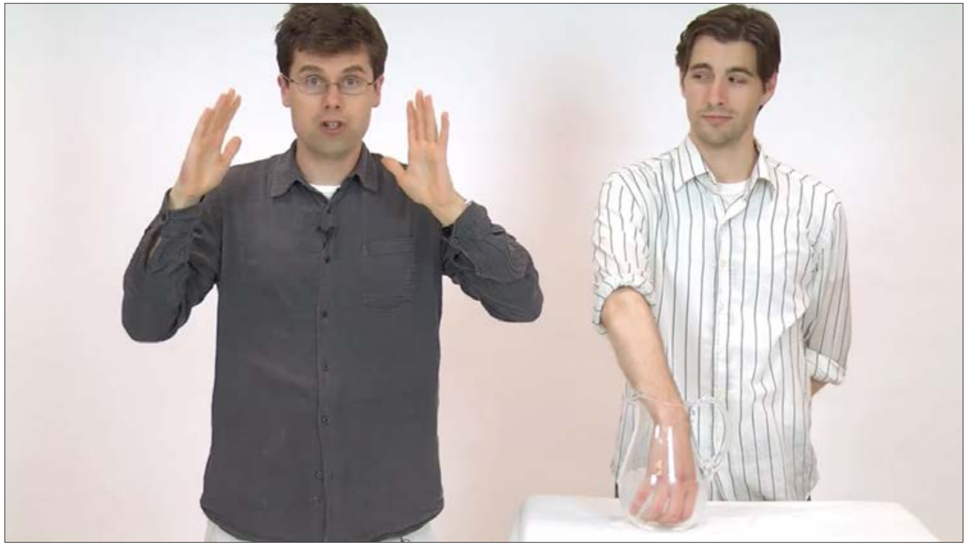
The Violent Universe, Australian National University, AU



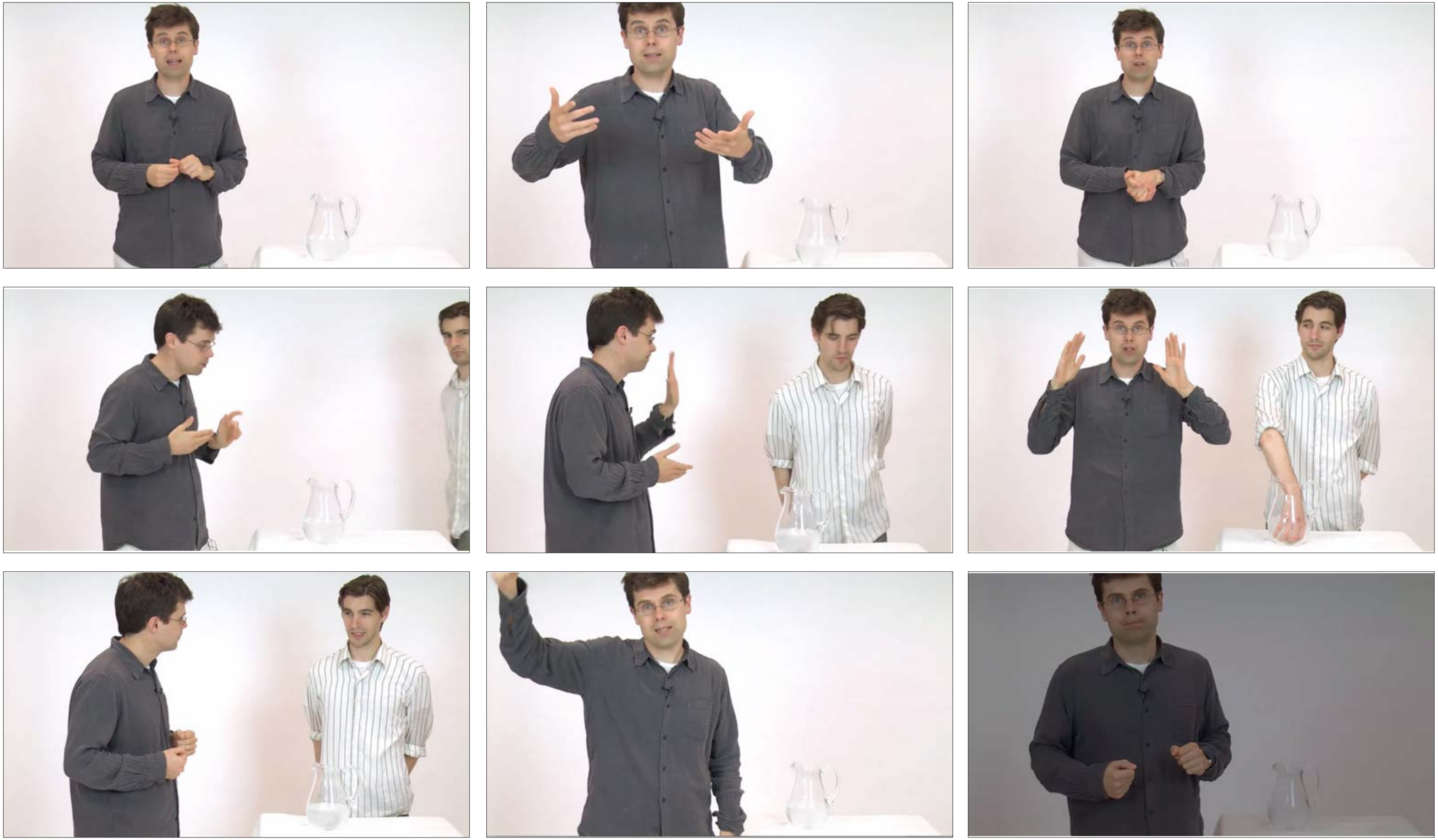
The Land Ethic Reclaimed: Perceptive Hunting, Aldo Leopold, and Conservation, University of Wisconsin-Madison US



American Education Reform: History, Policy, Practice, University of Pennsylvania US



Introduction to Philosophy: God, Knowledge and Consciousness, MIT US



MOOC: Introduction to Philosophy: God, Knowledge and Consciousness, MIT US