

# Presenting, Promoting, Pitching: And Why You'll Never Get A Second Crack At A First Impression

### John Bandler

Hosted by

The Forge@Mac, McMaster University, October 30, 2017

#### **Special Acknowledgements**



John Vlachopoulos



Erin Kiley



Ana Kovacevic



Barbara Fenesi

Photos: John Bandler

**Acknowledgements** Gregory Atkinson, Beth Bandler, Farzad Foroutan, Michelle Ogrodnik, Daniel Tajik

**Thanks For The Invitation** Jonathan Boulanger, Patricia Kousoulas

#### Forge@Mac Startup Problem Pitch Competition

The focus is entirely on the problem. Can you articulate:

What is the problem?

Who has this problem? (Who is your customer?)

Why do current solutions fail to address this problem?

What value is created by solving this problem?

The focus is on the problem, not the solution. This problemfirst methodology will help you and your fledgling startup survive and succeed.

https://theforge.mcmaster.ca/forgemac-startup-problem-pitch-competition/

#### "fail fast"

## —Katty Kay and Claire Shipman, *The Confidence Code*, 2014, p. 138



http://thedianerehmshow.org/shows/2014-04-17/katty-kay-and-claire-shipman-confidence-code

#### **Overview**

the hook, story, persuasion, bias, trust, impact, fear, first impressions, citation, subtext, metaphor, theatricality, staging, authenticity, articulation, etiquette, awareness, being remembered, slide composition, theme, respecting your audience, the elevator pitch, ethics, admitting setbacks . . .

## Wikipedia Pages

John Bandler

Space Mapping (1993)

Optimization Systems
Associates
(sold to HP 1997)

## MY NAME IS . . .

## ENSURE YOUR NAME IS EASILY REPEATABLE

## RATE ME NOW ON A SCALE OF 0 TO 10

#### The OSA Era

(Optimization Systems Associates Inc., 1983-1997, John Bandler, Founder and President)



#### At Queens University, Belfast

a one hour seminar balloons to three hours

#### At Wright-Patterson Air Force Base

a 10-minute pitch turns into a 2.5-hour talk

#### At British Telecom, UK

OSA software **benchmarks**Hewlett-Packard's software

At Santa Rosa, CA, 1997 Hewlett-Packard buys OSA

## CASE STUDY: FIRST IMPRESSIONS

"low" final grade in a control theory course professor's first impression



"low" final grade in a control theory course: professor's first impression



congratulations after IEEE conference presentations: impressions on big shots

"low" final grade in a control theory course: professor's first impression



congratulations after IEEE conference presentations: impressions on big shots

first impressions on undergraduate students: a great teacher

"low" final grade in a control theory course: professor's first impression



congratulations after IEEE conference presentations: impressions on big shots

first impressions on undergraduate students: a great teacher

his oral Ph.D. comprehensive examination: spectacular impressions on 3 professors his still unimpressed control theory professor

"low" final grade in a control theory course: <a href="mailto:professor's first impression">professor's first impression</a>



congratulations after IEEE conference presentations: impressions on big shots

first impressions on undergraduate students: a great teacher

his oral Ph.D. comprehensive examination: spectacular impressions on 3 professors his still unimpressed control theory professor

## HOW TO MAKE YOUR AUDIENCE WANT LESS

## aveigs is an

avoid distracting logos

(distracting) templates y

and distracting

avoid 10 late distracting

Bandler 2012 OS

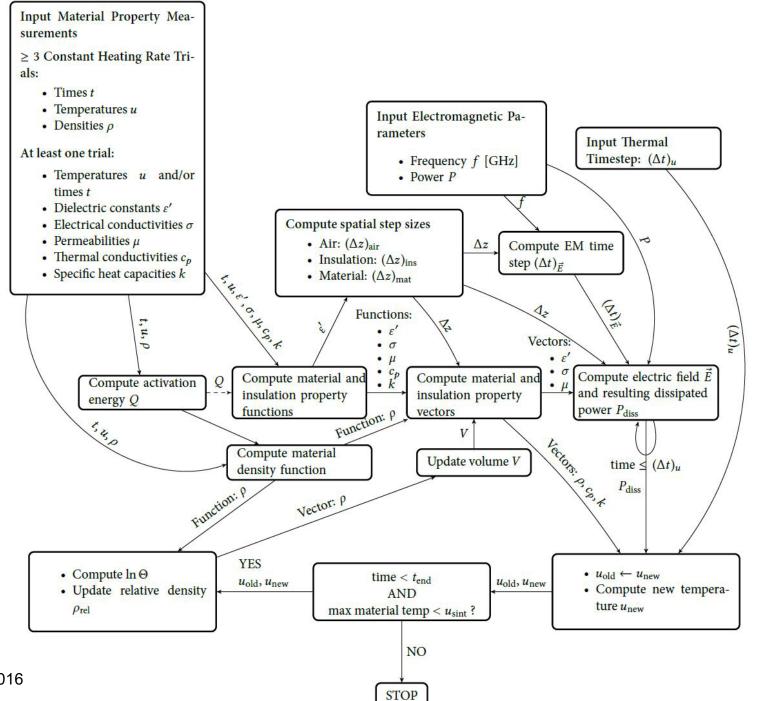
### **Typical Oral Delivery**

rushed speaker always runs out of time, whether 3, 20, or 50 minutes little or no time for questions delivered in a monotone or speaker swallows words

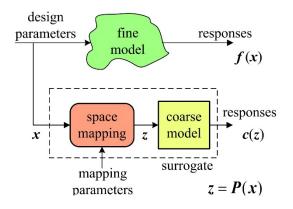
Bandler and Kiley, 2017

### **Typical Technical Slides**

crammed with text small images dense tables lengthy equations detailed flow diagrams in-your-face logos too many slides



Kiley, 2016



#### **Generalized Implicit Space Mapping**

(Koziel, Bandler, and Madsen, 2006)

define the *i*th surrogate  $R_s^{(i)}$  as

$$\mathbf{R}_{s}^{(l)}(\mathbf{x}) = \mathbf{A}^{(l)} \cdot \mathbf{R}_{c}(\mathbf{B}^{(l)} \cdot \mathbf{x} + \mathbf{c}^{(l)}, \mathbf{x}_{p}^{(l)} + \mathbf{G} \cdot \mathbf{x}) + \mathbf{d}^{(l)} + \mathbf{E}^{(l)} \cdot (\mathbf{x} - \mathbf{x}^{(l)})$$

with  $A^{(i)}$ ,  $B^{(i)}$ ,  $c^{(i)}$ ,  $x_p^{(i)}$  and G determined using parameter extraction

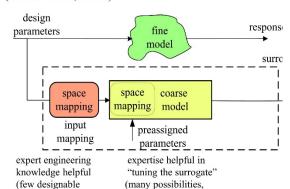
$$\begin{aligned} & (\boldsymbol{A}^{(i)}, \boldsymbol{B}^{(i)}, \boldsymbol{c}^{(i)}, \boldsymbol{x}_{p}^{(i)}, \boldsymbol{G}) = \arg\min_{(\boldsymbol{A}, \boldsymbol{R}, \boldsymbol{c}, \boldsymbol{x}_{p})} \left( \sum_{k=0}^{i} w_{k} \| \boldsymbol{R}_{f}(\boldsymbol{x}^{(k)}) - \boldsymbol{A} \cdot \boldsymbol{R}_{c}(\boldsymbol{B} \cdot \boldsymbol{x}^{(k)} + \boldsymbol{c}, \boldsymbol{x}_{p} + \boldsymbol{G} \cdot \boldsymbol{x}^{(k)}) \| + \\ & + \sum_{k=0}^{i} v_{k} \| \boldsymbol{J}_{\boldsymbol{R}_{c}}(\boldsymbol{x}^{(k)}) - \boldsymbol{J}_{\boldsymbol{R}_{c}}(\boldsymbol{B} \cdot \boldsymbol{x}^{(k)} + \boldsymbol{c}, \boldsymbol{x}_{p} + \boldsymbol{G} \cdot \boldsymbol{x}^{(k)}) \| \right) \end{aligned}$$

and

$$d^{(i)} = R_f(x^{(i)}) - A^{(i)} \cdot R_c(B^{(i)} \cdot x^{(i)} + c^{(i)}, x_n^{(i)} + G \cdot x^{(i)})$$

$$\boldsymbol{E}^{(i)} = \boldsymbol{J}_{R_{f}}(\boldsymbol{x}^{(i)}) - \boldsymbol{J}_{R_{i}}(\boldsymbol{B}^{(i)} \cdot \boldsymbol{x}^{(i)} + \boldsymbol{c}^{(i)}, \boldsymbol{x}_{p}^{(i)} + \boldsymbol{G} \cdot \boldsymbol{x}^{(i)})$$

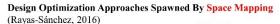
#### **Implicit and Input Space Mappings** (Bandler *et al.*, 2003-)

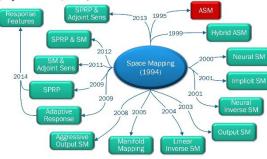


e.g., dielectric constant)

fine

model





Courtesy: J.E. Rayas-Sánchez, ITESO, 2016



#### MTT-S

iteratively solves the nonlinear system

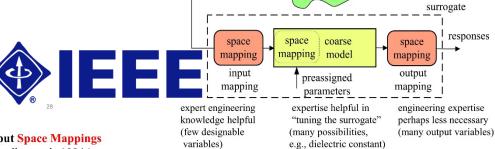
 $f(x_t) = 0$ 

the quasi-Newton step  $h^{(j)}$  in the fine space is given by

 $\boldsymbol{B}^{(j)}\boldsymbol{h}^{(j)} = -\boldsymbol{f}^{(j)}$ 

the next iterate

 $\mathbf{x}_{f}^{(j+1)} = \mathbf{x}_{f}^{(j)} + \mathbf{h}^{(j)}$ 

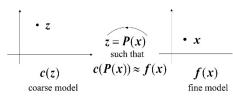


design

parameters

#### Original Space Mapping Optimization

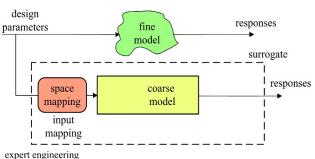
(Bandler et al., 1994-, Madsen, 1995-)



compute a mapping to match the models (parameter extractio

$$z = P(x) \equiv \arg\min_{z} ||f(x) - c(z)||$$

#### **Input Space Mappings** (Bandler *et al.*, 1994-)



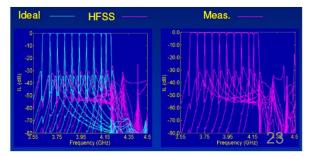
variables)

knowledge helpful (few designable variables)

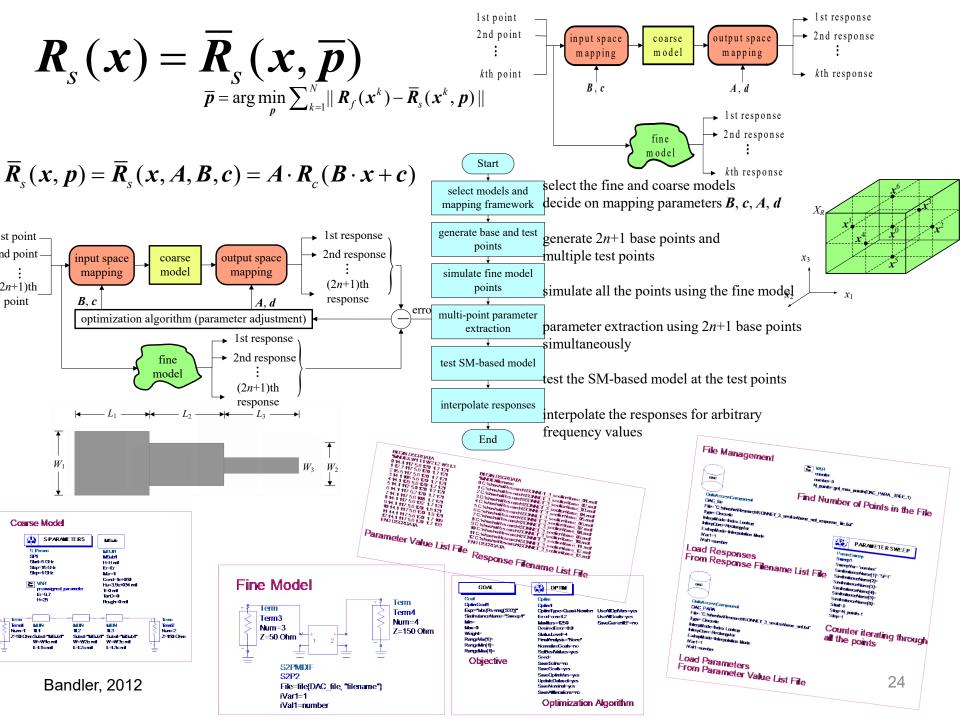
#### 10-channel output multiplexer, 140 variables

25

responses



26



## SUBTEXT

### **Any Chance Of Having Sex?**

"In our everyday experience, we are filled with thoughts we never speak—and for good reason. If we did, we would get sued, divorced, fired, beaten to a pulp, and lose any chance of having sex."

—Brad Shreiber, 2003

Once Into A Persuasion Event . . .

subtext comes into play . . .

#### subtext:

an underlying, often distinct theme with traps and hidden agendas

## SUBTEXT IN POLITICS

"The notion of poisoning your own people, I think, is something that is repulsive to everyone."

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"The notion of poisoning your own people, I think, is something that is repulsive to everyone."

## George Mitchell's Subtext?

subtext: it is sometimes essential, I think, to poison people other than your own

"The notion of poisoning your own people, I think, is something that is repulsive to everyone."

"The notion of poisoning your own people, I think, is something that is repulsive to everyone."

### **Trump to UN General Assembly**

"The actions of the criminal regime of Bashar al-Assad, including the use of chemical weapons against his own citizens, even innocent children, shock every decent person. No society can be safe if banned chemical weapons are allowed to spread."

—Donald Trump, September 19, 2017

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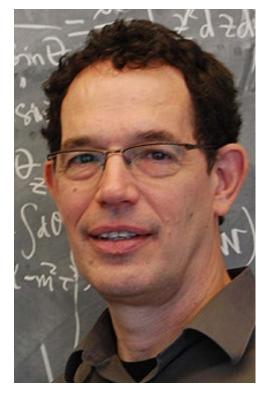
—Donald Trump, September 19, 2017

Bandler, 2017

# SCIENCE CAN BE DECEIVING TOO

#### **Scientists Have Unconscious Agendas**

"Scientists are very often consciously or unconsciously driven by agendas well outside science, even if they do not acknowledge them."



—Neil Turok, Director, Perimeter Institute, 2012 CBC Massey Lectures

#### Scientific Fact Or Sales Talk?

we propose/present/review . . .

```
a breakthrough technology . . . a unified framework . . . the state of the art . . . a novel approach . . .
```

Bandler, 2012

#### Scientific Fact Or Sales Talk?

we propose/present/review . . . [active voice]

```
a breakthrough technology . . . a unified framework . . . the state of the art . . . a novel approach . . .
```

#### Scientific Fact Or Sales Talk?

we propose/present/review . . . [active voice]

```
a breakthrough technology . . . a unified framework . . . the state of the art . . . a novel approach . . .
```

is proposed/presented/reviewed [passive voice]

# SUBTEXT<br/>IN PERSUASION

#### The Art Of Persuasion

"A story persuades because you have to admit both the positive and the negative."



#### —Robert McKee

Photo: John Bandler

# "Elevate" Your Work! By Distancing Previous Work (even your own)

### for previous work:

admit the "few good" attributes list the "major bad" attributes



# "Elevate" Your Friends! By Embracing Their Work (even your own)

### for your friends' work:

admit the "few bad" attributes list the "major good" attributes

## **Problems With "Elevating" Yourself**

reviewers, authors, audience . . .

see through you

feel something isn't right

## **Devastating A Candidate's Prospects**

"... a single **negative** statement can devastate the candidate's prospects, no matter how many **positive** statements there are."

—R.J. Sternberg, *Love Is A Story,* Oxford University Press, 1998, p. 37

# SUBTEXT IN SCIENTIFIC PRESENTATIONS

#### Where's The Subtext?

input space mapping: a good engineering approach, but the parameter extraction step can be a difficult inverse optimization problem to solve . . .

—Bandler *et al.*, 2003-

Bandler, 2011

#### Where's The Subtext?

input space mapping: a **good** engineering approach, **but** the parameter extraction step can be a **difficult** inverse optimization problem to solve . . .

—Bandler *et al.*, 2003-

Bandler, 2011

### Reshaping This . . .

input space mapping: a good an engineering approach, but the that involves a parameter extraction step can be a difficult to be solved as an inverse optimization problem to solve...

Bandler, 2011 52

# SUBTEXT FROM CHAMPIONS AND DETRACTORS

#### **A Detractor's Praise**

"Thank you very much for informing me of this accomplishment. I would like to congratulate you on recipt of this prestigous award."

Bandler, 2013

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"Thank you very much for informing me of this accomplishment. I would like to congratulate you on recipt of this prestigous award."

Bandler, 2013 55

#### **A Detractor's Praise**

"Thank you very much for informing me of this accomplishment. I would like to congratulate you on recipt of this prestigous award."

subtext: I don't like you; the fact is I never have. And you've just managed to spoil my day.

Bandler, 2013 56

## A Champion's Praise

"My heartiest congratulations! I have been, and always will be, proud of calling you a colleague and a friend."

# A Champion's Praise

"My heartiest congratulations! I have been, and always will be, proud of calling you a colleague and a friend."

subtext: The next bottle of champagne's on me!

Bandler, 2013

# SUBTEXT IN MEETINGS

# Have You Ever Wondered...

... why some meetings feel like a waste of time?

#### PRESIDENT

The university's structures, its divisions, its boundaries, are man-made... Man can change them.

#### PRESIDENT

The university's structures, its divisions, its boundaries, are man-made... Man can change them.

#### PRESIDENT

Boy, I'm one eloquent devil. Ah, but like you, dear friends, I need to feed my family. So join with me in forming yet another task force.

#### VICE-PRESIDENT

In these times, these truly difficult times, how do we keep basic, fundamental, curiosity-driven research alive?

#### VICE-PRESIDENT

In these times, these truly difficult times, how do we keep basic, fundamental, curiosity-driven research alive?

#### VICE-PRESIDENT

Hey guys, I'm articulate too. And better at buzz words. I hope I'm not too obvious, but one of these fine days I'll land that guy's job. Just watch me.

# FACULTY MEMBER (standing up) I spent my sabbatical year at Stanford... Now, at Stanford...

#### FACULTY MEMBER

(standing up)

I spent my sabbatical year at Stanford... Now, at Stanford...

#### FACULTY MEMBER

Hey, it's my turn now. I'm one of those special people who does leading edge research. Let me tell you a bit about myself.

# THE ELEVATOR PITCH

#### Always Be Prepared With An "Elevator Pitch"

Harvard Business School HBS Elevator Pitch Builder

You have 30 seconds (one minute?) to say it all.

WHO? Describe who you are. Keep it short.

WHY? Why should your target listen?

**SELLING POINT?** What sets you apart?

**THE ASK?** What do you want to leave your target with?

Bandler, 2012

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#### John Bandler Corners "Mogul" Rupert Murdoch

(News Corporation, 21st Century Fox, Fox News)

#### JOHN BANDLER

Mister Murdoch. Hello. I'm John Bandler, and I'm an ethics engineer.

(pause)

Right. I can save your empire from collapse. (hands Murdoch a business card)

Phone-hacking, sir, and sex scandals are old hat. Strictly for low-life losers. I can offer a "Privacy-Invader" cyber-protocol.

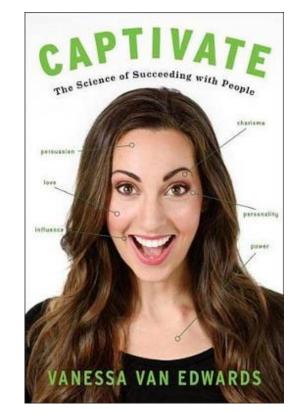
Turn-key, tabloid cheap, fully ethics-proof. (pause)

Might I--? "hack" into a few more seconds of your time, sir?

### Vanessa Van Edwards

Welcome to My Channel

How to Have a Kickass Elevator Pitch



You are contagious, TEDxLondon

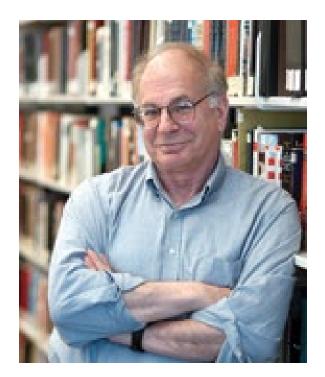
Elevator Pitch Tips and Body Language Alexis

Bandler, 2017

# ON BEING LIKED

### The Halo Effect

"The tendency to like (or dislike) everything about a person—including



things you have not observed"

—Daniel Kahneman, *Thinking, Fast and Slow*, 2012, p. 125, ch 7.

### MORE POLITICAL INTRIGUE

#### "We Got Him"

PETER BERGEN: Did torture lead to bin Laden?

Silence.

BARACK OBAMA: You know (pause) I (pause) do not believe (pause) that torture (pause) was (pause) the key to us getting bin Laden . . . You can't argue counterfactuals . . . What ended up being absolutely critical is hard to (pause) disentangle."

-CNN, May 6, 2016

# "The Aspiring Novelist Who Became Obama's Foreign-Policy Guru"

"Like Obama, [Ben] Rhodes is a storyteller who uses a writer's tools to advance an agenda that is packaged as politics but is often quite personal."

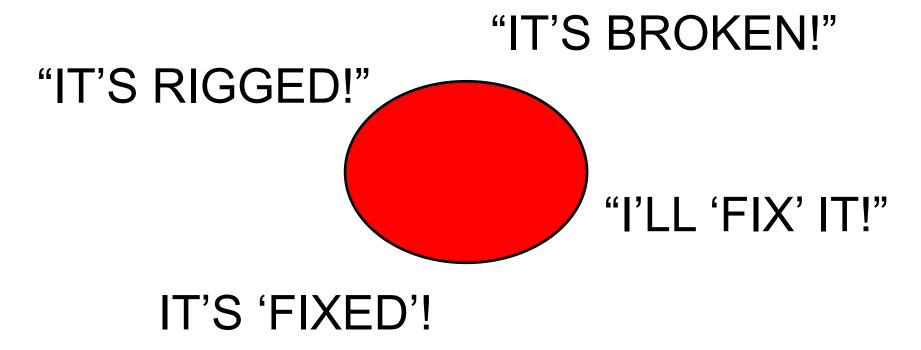
—David Samuels, The New York Times Magazine, May 5, 2016

http://www.nytimes.com/2016/05/08/magazine/the-aspiring-novelist-who-became-obamas-foreign-policy-guru.html?action=click&contentCollection=Opinion&module=Trending&version=Full®ion=Marginalia&pgtype=article

Bandler, 2016

#### Reality According To Trump

If She Wins, The System Is Rigged If I Lose, The System Is Broken



Bandler, 2016

# "All systems are rigged. By design."

—John Bandler, 2016

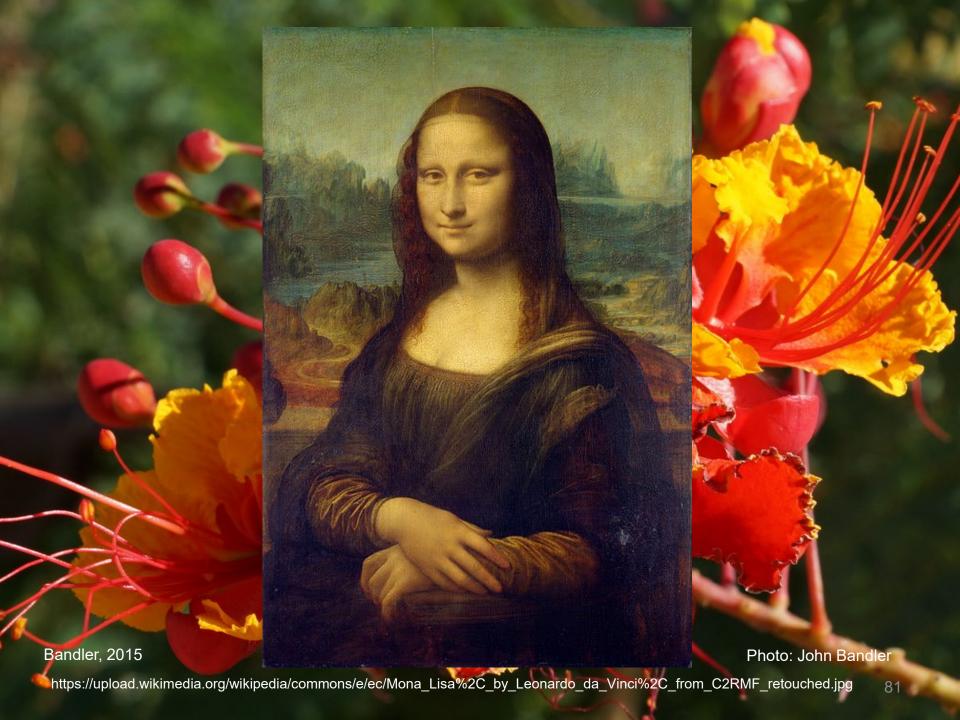
# THE ART OF COMPOSITION



Bandler, 2015



Bandler, 2015



# YOU ARE IN YOUR COMPOSITION!

# Check Your Props, Backdrop & Audience & Video Fields of View

be first to arrive in venue check all equipment remove bags, coats, clutter clean black- or white- boards position flowers, art, banner remove audience barriers

Bandler, 2017

## **Your Optimal Stance**

if the screen is center stage

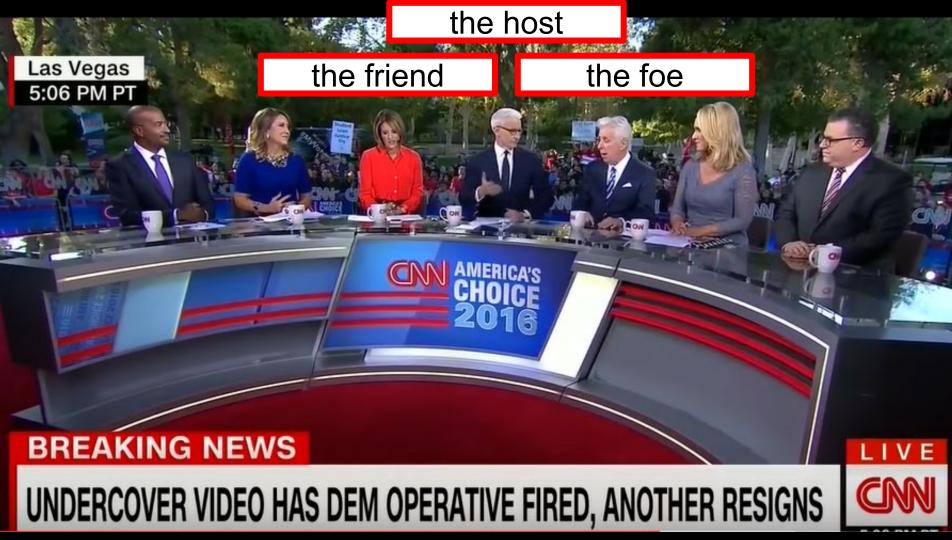
stand downstage right

in front of all barriers

# **Power/Authority Position**

friend on your right foe on your left weak partner on your right

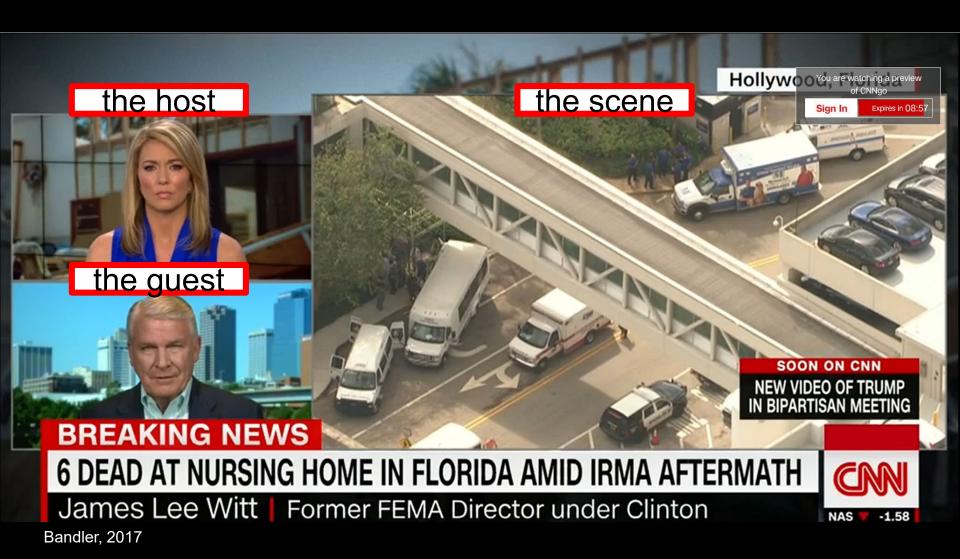
# Placing TV Talking Heads



# Placing TV Talking Heads



# Placing TV Talking Heads



# **Your Optimal Actions**

walk towards the audience

engage through arms outstretched, palms up

ask the audience questions

Bandler, 2016

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## TRADE SHOWS



# Optimization Systems



### POSTER ESSENTIALS

### Slides vs. Posters

slides: speaker controls pace, no backtrack for viewer

posters: viewer controls pace, viewer can backtrack

Bandler, 2016

## **Poster Impressions**

dress as for oral presentation

hide garbage, clutter, food

don't eat, fidget, or pace

### **Poster Welcome**

invite people to your space

talk to people you don't know

never ignore anyone present

### **Poster Procedure**

# make eye contact

stand stage right, clear of your poster

let no one monopolize you

Bandler, 2016

## Poster Respect

never display your back

never abandon your poster

never shun your competitors

## ARTISTIC INITIATIVES

#### **John Bandler**

#### 59 Minutes in the Maxwell Suite—A Stage Play



—"And you're my hostage. Right?"

#### That The Multitude May Live—A Stage Play



—"I'm alive so that you could die."

#### The Trial of Naomi Verne—A Stage Play

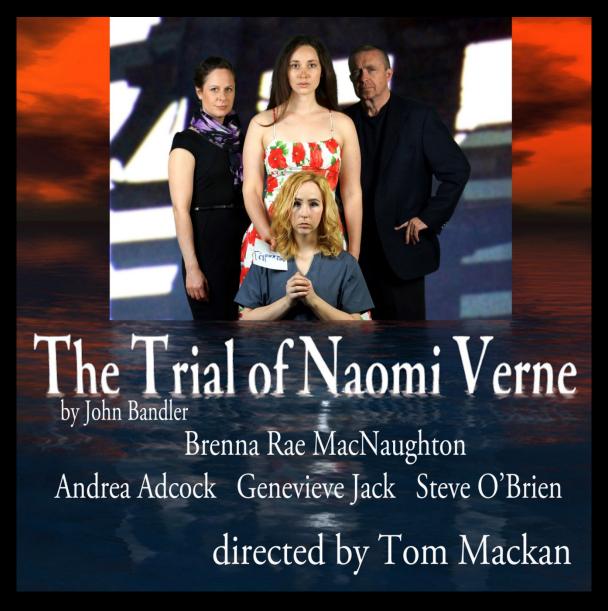


—"Jerusalem's a real place."

#### John Bandler's Jahzara's Triangle

pitched on YouTube by Genevieve Jack as Candy Quill





The Hamilton Fringe Festival, July 17-27, 2014,
Photo: John Bandler www.bandler.com/coalition

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John Bandler's

Christmas Eve

at the Julibee Motel

Directed by Tom Mackan

Aimee Kessler Evans James Thomas



Photo: John Bandler

Image Design: Paulina Rzeczkowska

The Hamilton Fringe Festival, July 14-24, 2016 www.bandler.com/julibee

## SPEAKING INITIATIVES

John Bandler's "From Creativity To Success Via Risk And Setback: An Insider's Perspective," McMasterUTV, 2013



#### **Explain Less, Predict More**

John Bandler, TEDxMcMasterU, 2014

# John Bandler's "You, Your Slides and Your Posters: Allies or Foes?" 2016



# Ana Kovacevic pitches the Three Minute Thesis (3MT®) Competition, 2017

John Bandler and Ana Kovacevic – "Clear, Brief, Engaging: Your Thesis in Three Minutes," 2017

# THE THREE MINUTE PITCH

# Welcome To The Inaugural IMS2017 Three Minute Thesis (3MT®) Competition

John Bandler and Erin Kiley

Honolulu, HI, Monday, June 5, 2017



Bandler and Kiley, 2017

#### Co-Organizers/Co-Chairs



Photo: Beth Bandler

Photo: John Bandler

John Bandler

Erin Kiley

Bandler and Kiley, 2017

#### The 3MT® Requirements

3-minute (or less) oral presentation one static PowerPoint slide



#### You Have 3 Minutes...

- ...to present years of complex research
- ...to kindle excitement and curiosity
- ...to make "them" want to hear more





Microwave Holography: The Future of Medical Imaging (TH1H)

Daniel Tajik
McMaster University

First Place Winner + Audience Choice

#### Microwave Holography: The Future of Medical Imaging

**Daniel Tajik** 



### IMS2017 3MT® Daniel Tajik, First Place Winner and Audience Choice Winner, "Microwave Holography: The Future of Medical Imaging"



#### What's Daniel's Hook?

Bandler, 2017

#### What's Daniel's Hook?

(Emphatic hand gestures) X-rays. Cause. Cancer. (Pause) It's a little unnerving to think about, isn't it? (Pause)

—Daniel Tajik, 2017

### Watching A High-Ranked 3MT® Video

it's not live!

videographer/editor made "creative" choices

is the slide visible; for how long?

Bandler and Kiley, 2016

#### MAKE AN IMPACT

### A. Einstein Patent Office, Bern

$$E = mc^2$$

### E. Albert Ph.D. Candidate

$$E \neq mc^2$$

#### John Bandler

Optimization Systems Associates Inc., 1993

$$\mathbf{x}_{c} = P(\mathbf{x}_{f})$$

## LUDWIG: A Self-Optimizing Neuro-Symphonic Framework

R. van Bot, Ph.D. Candidate



#### **AUTHENICITY WINS**

#### Respect (Empathize With)

your audience

your sources (citations)

your <u>commitment</u> (to the long haul)

Bandler, 2015

#### **Communicate (Admit)**

your expertise

your journey ("story")

your setbacks

#### **Promote (Inspire)**

your vision

your theme

your message

#### Acknowledge (By Name)

your friends your assistants your colleagues your supervisor your mentor your sources

## A BAD IMPRESSION IS A LASTING IMPRESSION

#### Refernces

- J.W. Bandler, Q.J. Zhang and R.M. Biernacki, "A unified theory for frequency-domain simulation and sensitivity analysis of linear and nonlinear circuits," IEEE Trans. Micro. Theory Techn., vol. 36, 1988, pp. 1661–1669.
- J. W. Bandler, R. M. Biernacki, S. H. Chen, R. H. Hemmers and K. Madsen, "Electromagnetic optimization exploiting aggressive space mapping", IEEE Trans. Microwave Theory Tech., Vol. 43, No. 12, pp. 2874-2882, Dec. 1995.
- J.E. Rayas-Sanchez, "Power in simplicity with ASM: tracing the aggressive space mapping algorithm over two decades of development and engineering applications," *IEEE Microw. Mag.*, vol. 17, no. 4, pp. 64-76, Apr. 2016.

Bandler, 2016

## A GOOD IMPRESSION IS A LASTING IMPRESSION

#### Talks vs. Manuscripts

talks: first impressions at the start

manuscripts: first impressions anywhere

Bandler, 2016

# Misinformed Or Not, A First Impression Lives . . .

because our brains insist on a quick explanation and are unwilling to give this up

—confirmation bias

**Before Your Presentation** choose words wisely introduce redundancy introduce pauses order words for effect memorize as necessary dress thoughtfully respect those butterflies

Bandler, 2016

**During Your Presentation** face your audience quickly introduce yourself slowly articulate clearly "embrace" your audience control your movements use positive hand gestures be authentic

your poster/your slide . . .

your poster/your slide . . .

**you . . .** 

your poster/your slide . . .

**you . . .** 

\_\_\_\_. (fill in the blanks)

Bandler, 2016 140

#### If It's Worth Saying...

...it's worth saying clearly

#### If It's Worth Saying...

...it's worth saying clearly

don't swallow words
don't whisper
it isn't cool: it's annoying

Bandler, 2017

#### **FAILURE**

#### Like A Virgin:

Secrets They Won't Teach You At Business School

(R. Branson, Portfolio/Penguin, 2012, p. 41)

"... it's imperative that you understand your competition ..."

"Avoid being overly negative. At best you will seem humourless and self-important . . ."

Bandler, 2013

### Like A Virgin:

### Secrets They Won't Teach You At Business School

(R. Branson, Portfolio/Penguin, 2012, p. 41)

"... it's imperative that you understand your competition ..."

"Avoid being overly negative. At best you will seem humourless and self-important . . ."

"And if you think you don't have any competitors, think again."

## Perhaps Mike Lazaridis Was Wrong . . .

## Perhaps Mike Lazaridis Was Wrong . . .

when he said (in the 1990s) that RIM had no competitors







### **Nortel Initiates Bankruptcy**

"On January 14, 2009, after extensive consideration of all other alternatives, and after thorough consultation with our advisors, Nortel initiated creditor protection proceedings in multiple jurisdictions under the respective restructuring regimes of Canada under the Companies' Creditors Arrangement Act, the United States under Chapter 11 of the U.S. Bankruptcy Code, the United Kingdom under the Insolvency Act 1986, and subsequently in other jurisdictions."

-www.nortel-canada.com

### **GM's Downfall Easily Predictable**

if the Chairman and CEO of GM really wanted to know how GM was doing long before declaring bankruptcy, he should have visited a showroom and asked for information on the technical features of a new Cadillac



—Google images

#### "We Screwed It Up"

"Since I'm in charge, obviously, we screwed it up."

—Barack Obama, December 20, 2013

Bandler, 2014 150

#### "We Screwed It Up"

"Since I'm in charge, obviously, we screwed it up."

—Barack Obama, December 20, 2013

Bandler, 2014 151

# AWARENESS, CREATIVITY, CREATIVE THINKING

### Awareness, Creativity, and Creative Thinking

it's all about me, you, us, them

understanding subtext

mastering first impressions

conquering confirmation bias

### Awareness, Creativity, and Creative Thinking

it's all about me, you, us, them

understanding subtext

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conquering confirmation bias

but be empathetic

think creatively

## Your Breakthrough

is staring you in the face

## Your Breakthrough

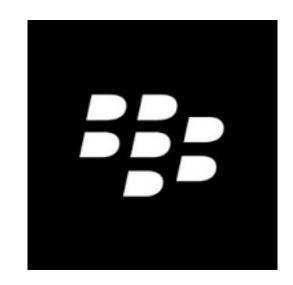
is staring you in the face but you don't see it

## **Their Breakthrough**

was staring them in the face

but they didn't see it either





**BBM** 

### **An Expensive Rejection**



# rejects Brian Acton and Jan Koum

then buys



for US \$19,000,000,000.00

### **AWARENESS**

#### **Monumental Failures In Creative Thinking**

**GM** 

Nortel

Nokia

BlackBerry

—Google images



response to Hurricane Katrina response to Typhoon Haiyan response to Hurricane Maria

Obama's Healthcare.gov website



# GIVING LIP-SERVICE TO "CREATIVITY" IS EASY WHEN YOU HAVE LITTLE PERSONALLY AT STAKE

## **BEWARE**: ENGINEERS ENGINEER

# "You're an engineer. If your data doesn't fit the theory, fix the data."

—A Lecturer Imperial College of Science and Technology private communication, circa 1962

### LET'S TALK FRAUD

### Jan Hendrik Schön . . .

"rose to prominence after a series of apparent breakthroughs with semiconductors that were later discovered to be fraudulent"

—https://en.wikipedia.org/wiki/Sch%C3%B6n\_scandal

"Truth is achieved by those with the courage to reimagine the possible. Those who defy convention and push performance to the limits. Who engineer lighter, more efficient vehicles. Innovate intelligent technology that anticipates drivers' needs. And design silhouettes that defy trends and the wind. This is the spirit that drives us. This is Truth in Engineering®."

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# Truth in Engineering?



https://en.wikipedia.org/wiki/Volkswagen

https://en.wikipedia.org/wiki/Audi



# This is Engineering The Truth.



https://en.wikipedia.org/wiki/Volkswagen

https://en.wikipedia.org/wiki/Audi

### A FINAL WORD . . .

### Fact or fiction: do you

Occasionally bestow false praise?

Occasionally withhold information?

Often withhold acknowledgements?

Do you copy intellectual property without license or permission—books, papers, software?

### Fact or fiction: do you

Occasionally bestow false praise?

Occasionally withhold information?

Often withhold acknowledgements?

Do you copy intellectual property without license or permission—books, papers, software—and even boast about it?

It's not my fault.
They made me do it.
Hey, everyone does it.

# WHAT'S YOUR EXPLANATION?

# "Before you can start to think outside the box you have to figure out who's holding down the lid"

—John Bandler, 2016

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# MERCI BEAUCOUP MUCHISIMAS GRACIAS THANK YOU The Forge@Mac















# RATE ME NOW ON A SCALE OF 0 TO 10