Ethics & Professional Practice

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Outline

• Defining our goal in context
• Defining morals, values, and ethics
• Data on ethics in engineering and construction
• Decisions, behaviors, pressures, and rationalization
• What can we do about it: Practical advice for promoting and engaging in ethical behavior
A reasonable goal

• We’ll never be perfect.
• But we can think about what it means to behave ethically.
• And we can commit to acting ethically.
• Making this commitment ahead of time makes it easier to make the right choice.

Positive, favorable, and trustworthy

Negative, unfavorable, and dishonest

Opportunity

Loss
Significant Real-World Events

- 1970-1978 - Ford Pinto – Flammable fuel tanks (180 dead)
- 1981 - Hyatt Regency – Walkway Collapse (114 dead)
- 1984 - Union Carbide – Bhopal disaster (3,783 dead)
- 1986 - NASA – Challenger Shuttle disaster (7 dead)
- 2000 - Firestone – Tire failure and tread separation (271 dead)
- 2005 – Hurricane Katrina levee and floodwall breaches
- 2010 - BP – Deep Water Horizon Disaster (11 dead)
- 2014 - General Motors – Faulty ignition switches (124 dead)
- 2014-2015 - Flint, Michigan – Lead water crisis (15+ dead)
- 2016-2017 - Wells Fargo – 3.5 million fraudulent accounts
- 2015-2016 - Volkswagen – 15 million diesel vehicles recalled
- 2017 – Hurricane Harvey reservoir overflows and levee failures
Unethical Behavior Makes Big Headlines

“Construction workers win payouts for 'blacklisting'”
BBC News - May 9, 2016
“...the blacklist included details of worker's political views, personal relationships, competence, and trade union activities”

“Volkswagen reaches $1.2 billion settlement with U.S. dealers over emissions scandal”
Los Angeles Times - October 1, 2016
“...up to $10 billion buying back or repairing about 475,000 vehicles”

“Four more officials charged with felonies in Flint water crisis”
“...exposed children to lead-tainted water and resulted in the death of a dozen people from Legionnaire’s disease.”
Even in Wisconsin, Unethical Behavior Routinely Makes the News

“OSHA Fines Wisconsin Construction Company $105K”
Wisconsin Public Radio - March 16, 2016
“An 18-year-old employee that had only been on the job for three months was killed…”

“Wisconsin Architectural Firm to Plead Guilty and Pay $3 Million to Resolve Criminal and Civil Claims”
U.S. Department of Justice, Office of Public Affairs - January 6, 2016
“…improper use of foreign materials on construction projects involving federal funds.”

“U.S. Attorney’s Office Reaches Settlement with Miron Construction Company Inc.”
U.S. Department of Justice, Office of Public Affairs - April 16, 2014
“$4 million settlement… concludes a multi-year investigation by the FBI of Miron’s billing practices in Wisconsin public school construction projects”
When we think of **unethical** behavior...

- Lying
- Fraud
- Bid rigging
- Conflict of interest
- Sexual harassment
- Discrimination
- Bribery
- Ignoring public safety
Ethical behavior often goes unnoticed

We tend to assume people are behaving ethically. We don’t notice things we think are normal.

“Engineer Does Good Job As Expected” does not make for an exciting headline.
When we think of **ethical** behavior...

- Honest
- Professional
- Fair
- Objective
- Self-aware
- Focused on public safety
- Willing to report wrong-doing
- Technically competent
- Responsible
Despite the headlines, most people behave ethically

• Studies on unethical behavior emphasize the prevalence of unethical behavior.

• Buried in all this research is the fact that the majority of people choose to behave ethically.

• Studies consistently show that some people will make choices based solely on self-interest. Even so, the majority choose to act ethically.
Business Case for Ethical Behavior

“A good reputation is valuable, not just with customers but when trying to hire top talent.

Illegal conduct can be extremely costly.

Good governance pays off financially.

Good corporate social responsibility policies usually (though not always) lead to benefits such as better employee morale, better access to capital, and better reputation with customers.”
“Morality, like art, means drawing a line somewhere.”

- Oscar Wilde, Author and Playwright
Where do we draw the line?

...as people
- Individual morals, values, and behaviors...

...as employees
- Organizational culture, standards, and policies

...as managers
- Community standards and practices
- Professional codes of ethics and accepted practices
- Law
Key questions

- Does morality matter?
- Does ethical practice matter?
- What are the costs and impacts of unethical behaviors?
- Who are my ethical role models?
- Is it my job to make sure peers behave ethically?
- What role does my profession have in ethics?
- What are my expectations of organizations I’m affiliated with, in regard to ethical behavior?

Defining morals, ethics, and values
Ethics: a philosophical perspective

• Defining the nature of our moral duty


Take assessments and learn more about what influences your own morals and ethics at www.YourMorals.org
Ethics: a philosophical perspective

“Theory or system of behaviors, guided by moral value”

Values

Personal beliefs  Attitudes  Desires

Ethical, preference, stated, and operational

Statue of Aristotle
Ethics: a psychological perspective

- Behavior that is rewarded tends to be repeated. Behavior not rewarded tends to not be repeated.
- Cost-benefit analysis limited by perception of time and its relation to our choices and behavior
  - Self-control issues are most likely to occur when choices and their consequences are separated in time.
Ethics: a practical perspective

• Ethics involves doing the right thing even when it costs more than you want to pay. It is what we **should** do.
Ethics and the law

Illegal  Ethical

Unethical  Legal

4  1

2
How do you define ethics?
Defining a profession: Data on ethics in engineering and construction
People think engineers are ethical...

70% of respondents felt Engineers honesty and ethical standards were “High” or “Very High” in a 2012 Gallup Poll.

Similar polling for other industries, including building contractors, was conducted in 2015. (Engineers were not included in the Gallup’s 2015 Polling)

<table>
<thead>
<tr>
<th>Profession</th>
<th>% Very high/High</th>
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<tbody>
<tr>
<td>Nurses</td>
<td>85</td>
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<tr>
<td>Pharmacists</td>
<td>58</td>
</tr>
<tr>
<td>Medical doctors</td>
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<td>Clergy</td>
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<td>Bankers</td>
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<tr>
<td>Building contractors</td>
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</tr>
<tr>
<td>Lawyers</td>
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<tr>
<td>Real estate agents</td>
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<tr>
<td>Labor union leaders</td>
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<tr>
<td>Business executives</td>
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<tr>
<td>Stockbrokers</td>
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<tr>
<td>Advertising practitioners</td>
<td>10</td>
</tr>
<tr>
<td>Car salespeople</td>
<td>8</td>
</tr>
<tr>
<td>Telemarketers</td>
<td>8</td>
</tr>
<tr>
<td>Members of Congress</td>
<td>8</td>
</tr>
<tr>
<td>Lobbyists</td>
<td>7</td>
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...but serious challenges persist

Construction Industry Compared to U.S. Average

- **Retaliation**: 37% (Construction) vs. 22% (U.S. Average)
- **Reported Misconduct**: 74% (Construction) vs. 65% (U.S. Average)
- **Misconduct Pressure**: 53% (Construction) vs. 48% (U.S. Average)
- **Pressure**: 18% (Construction) vs. 13% (U.S. Average)

Why do people make unethical decisions and engage in unethical behaviors?

PRESSURE
Pressures and decision-making

Authority

Role

Peers

Time
Pressures by intensity

- Adhering to a project timeline
- Trying to keep a project on budget
- Meeting your personal financial obligations
- Ensuring the financial stability and success of your company
- Keeping your job
- Wanting to make your boss look good
- Advancing your career
- Committing safety violations
- Ignoring wrongdoing you witness
- Violating the law

Pressure is felt across organizations

Employees who feel pressure to compromise their own standards are far more likely to observe misconduct by others in their organization.

Context matters
Blind Spots
Cognitive blindness

Listen to NPR’s *Psychology of Fraud: Why Good People Do Bad Things*

Rationalizing Risk: Four Stages to Denial

- It won’t happen.
- If it happens, it won’t happen to me.
- If it happens, and happens to me, it won’t be that bad.
- If it happens to me and it’s bad, there is nothing I could do to stop it anyway.

The role and influence of social and cultural pressure

• NASA and the Challenger Disaster
  • “Take off your engineering hat and put on your management hat”

• Ford Pinto
  • Ford's Environmental and Safety Engineering division developed a cost-benefit analysis entitled *Fatalities Associated with Crash Induced Fuel Leakage and Fires*.
  • In the memo Ford estimated the cost of fuel system modifications to $137 million, but would only save 180 burn deaths and 180 serious injuries per year, a cost to society of $49.5 million, thus not worth implementing.

What can we do about it?

Practical advice for promoting and engaging in ethical behavior
Leadership and Ethical Behavior

Model ethical behavior

Communicate value of ethical behavior

Include ethical consequences in decision-making

Reward ethical (and punish unethical) behavior

Shape organizational culture around ideals, beliefs, and values
Training, experience, practice

“Excellence is an art won by training and habituation. We do not act rightly because we have virtue or excellence, but we rather have those because we have acted rightly. We are what we repeatedly do. Excellence then is not an act but a habit.”

~Will Durant, paraphrasing Aristotle’s *Nicomachean Ethics*

Available at: http://classics.mit.edu/Aristotle/nicomachaen.html
Ethics and Management

- 39% reported manager failed to keep promises
- 37% reported manager did not give credit where credit was due
- 24% reported manager violated employee privacy
- 23% reported manager blamed others to cover up mistakes or minimize embarrassment

*Note that the majority of managers do behave ethically*

Unethical behavior is never normal

Be mindful of context, culture, and norms in ethical choices.

Don’t let unethical choices of peers or leaders lull you into thinking everyone is unethical.

Remember: People tend to behave ethically, even if they aren’t celebrated for it.
Motivate ethical behavior

- Treat coworkers fairly and honestly.
- Study (and understand) your profession’s code of ethics.
- Keep a list of unethical things you’ll never do.
- If something feels wrong, it probably is.
- Discuss tricky ethical situations with a mentor.
- Practice moral stretching. Think about potential conflicts and how you respond.
- Cultivate a keen sense of your ethical weaknesses.

If something feels wrong, it probably is.
Manage with ethics in mind

• Set realistic performance goals for your team, and beware of motivations that encourage unethical behavior.

• Treat your team fairly and honestly. A leader’s behavior has an enormous effect on a team’s behavior.

• A recent study said only 25% of people think their colleagues model good ethical behaviors. Make sure you’re in that 25%.

Manage with ethics in mind

Don’t overwork your team. Exhausted people make unethical choices.

Practices considered unethical in one culture (such as gift-giving) might be OK in another. If something feels wrong, show respect, but speak up.

Pay attention to small slips. Minor transgressions can escalate into full-fledged scandals.
Questions to ask yourself

Is it right?

Is it fair?

Am I hurting anyone?

Could I disclose this to the public or a respected mentor?

Would I tell a family member to do this?

Does it pass the “stink” test?

A reasonable goal

- We’ll never be **perfect**.
- But we can think about what it means to **behave ethically**.
- And we can commit to **acting ethically**.
- Making this commitment ahead of time makes it easier to make the **right choice**.
Summary

• We’ll never be perfect. But we can think about what it means to behave ethically.

• The goal is not to be ethical but to accomplish things ethically. In other words, ethics is not a belief or value system, it is a pattern of behavior.

• We tend to assume people are behaving ethically. We don’t notice things we think are normal.

• The majority of people choose to behave ethically.

• Ethics, practically, is about doing the right thing even when it costs you more than you want to pay.

• Ethical behavior can be beneficial and even profitable, because it generates confidence, passion, and trust.
Summary

• The law of effect: Behavior that is rewarded tends to be repeated. Behavior not rewarded tends to not be repeated.

• Laws, rules, and regulations are written while ways of behaving are usually unwritten. Sometimes, ethics and the law may come into conflict.

• Most people think engineers are ethical, but challenges persist.

• People engage in unethical behavior because of pressure that is often felt across organizations.

• Context can be stronger than reason, values, and good intentions. Do not underestimate the “power of the situation.”

• Context and justification can create cognitive blindness that leads us to rationalize unacceptable risk.
Summary

• Leaders, role models, and peers can affect our own behavior, as can organizational culture, context, and socialization.

• Ethical development is both habitual and reflective.

• To the extent ethics is learned, it is learned from experience.

• Ethics are not about the way things are, but about the way they ought to be. Change the real world and the standard.

• Unethical behavior is never normal.

• We can promote ethical behavior by creating ethical environments, setting clear and realistic expectations, rewarding ethical behavior, practicing mindfulness and “moral stretching,” and speaking up when something doesn’t feel right.
Sources


Sources


Sources


Sources


Sources


Sources


• http://ethicalsystems.org


Sources


Sources


Additional Resources
Ethics & Compliance Initiative

www.ethics.org
Ethical Systems

www.ethicalsystems.org/
The (Honest) Truth About Dishonesty

RSA Animate - The Truth About Dishonesty, feat. Dan Ariely
https://www.youtube.com/watch?v=XBmJay_qdNc
A practical consideration

How hard would it be to program our website to collect browser history from our visitors?

WELL, FIRST I'D NEED TO INVENT SOME SORT OF DEVICE THAT REVERSES MY SENSE OF RIGHT AND WRONG.

SO... ARE WE TALKING ABOUT A WEEK... OR A MONTH?
Questions & Comments?

Contact me:
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Thank you!