Using pen or pencil, please **completely fill** in the appropriate box or circle with your response.

1. Have you been involved in hiring or evaluating recent bachelor’s degree-level engineering graduates from any of the following fields: Aerospace, Chemical, Civil, Computer, Electrical, Industrial, or Mechanical Engineering?
   - ☐ Yes  ☐ No (If NO, Skip to Question 4.)

2. If so, have you been involved in this process for 7 or more years (not necessarily for the same organization)?
   - ☐ Yes  ☐ No

3. a. Approximately how many new engineers (bachelor’s degree) do you personally evaluate each year?
   - ☐ 1 or less  ☐ 2 - 5  ☐ 6 - 10  ☐ More than 10

   b. Where do these engineering graduates primarily come from?
   - ☐ 1 or 2 institutions  ☐ 3 - 5 institutions  ☐ 6 - 10 institutions  ☐ More than 10 institutions

   c. Are they recruited **primarily**:
   - ☐ Locally  ☐ Within your state or region  ☐ Nationally

4. With which field’s graduates are you **MOST** familiar? (Select one.)
   - ☐ Aerospace Engineering  ☐ Electrical Engineering
   - ☐ Chemical Engineering  ☐ Industrial Engineering
   - ☐ Civil Engineering  ☐ Mechanical Engineering
   - ☐ Computer Engineering

5. Think about the field you selected in question 4. In this field, how prepared are recent engineering graduates:

<table>
<thead>
<tr>
<th></th>
<th>Inadequately Prepared</th>
<th>Adequately Prepared</th>
<th>Well Prepared</th>
<th>Don’t Know</th>
</tr>
</thead>
<tbody>
<tr>
<td>To use engineering, math, science, and technical skills?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>To apply problem-solving skills?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>To communicate and work in teams?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>To understand the organizational, cultural, and environmental contexts and constraints of engineering practice, design, and research?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>To continue to learn, grow, and adapt as technology and social conditions evolve in unpredictable directions?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
</tbody>
</table>
6. Think about the field you selected in question 4. In this field, have the abilities of graduates increased or decreased compared to engineering graduates of 7-10 years ago?

<table>
<thead>
<tr>
<th>Abilities</th>
<th>Decreased</th>
<th>About the Same</th>
<th>Increased</th>
<th>Don't Know</th>
</tr>
</thead>
<tbody>
<tr>
<td>To use engineering, math, science, and technical skills</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>To apply problem-solving skills</td>
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<tr>
<td>To communicate and work in teams</td>
<td></td>
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</tr>
<tr>
<td>To understand the organizational, cultural, and environmental contexts and constraints of engineering practice, design, and research</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>To continue to learn, grow, and adapt as technology and social conditions evolve in unpredictable directions</td>
<td></td>
<td></td>
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</tbody>
</table>

7. How important is it for new engineering graduates to have each of the following:

<table>
<thead>
<tr>
<th>Ability</th>
<th>Unimportant</th>
<th>Slightly Important</th>
<th>Moderately Important</th>
<th>Highly Important</th>
<th>Essential</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ability to apply knowledge of mathematics, science and engineering</td>
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<td></td>
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<tr>
<td>Ability to design and conduct experiments, as well as to analyze and interpret data</td>
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<tr>
<td>Ability to design a system, component, or process to meet desired needs</td>
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<tr>
<td>Ability to function on multi-disciplinary teams</td>
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<tr>
<td>Ability to identify, formulate, and solve engineering problems</td>
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<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>An understanding of professional and ethical responsibilities</td>
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<tr>
<td>Ability to communicate effectively</td>
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<tr>
<td>Understands the impact of engineering solutions in a global and societal context</td>
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<tr>
<td>A recognition of the need for, and an ability to engage in life-long learning</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A knowledge of contemporary issues</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ability to use the techniques, skills, and modern engineering tools necessary for engineering practice</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other important abilities/skills areas (please specify)</td>
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<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Other important abilities/skills areas (please specify)
8. Do you have any recommendations for improving engineering education?

9. How many employees are there in your company at your location?
   - less than 50
   - 50 - 499
   - 500 - 3,000
   - 3,001 - 10,000
   - More than 10,000

10. Are you in the professional engineer track of your organization?
    - Yes
    - No (If NO, Skip to Question 11.)

10a. If yes, at what level:
    - Entry-level
    - Mid-level
    - Senior-level

11. Are you in the management track of your organization?
    - Yes
    - No (If NO, Skip to Question 12.)

11a. If yes, at what level:
    - Line/entry-level management
    - Program/mid-level management
    - Executive/senior-level management

12. Which of the following best describes your functional area?
    - Information/technology/network support
    - Management/administration/executive
    - Production, installation, delivery of services
    - Research/development/testing
    - Business/finance
    - Human resources
    - Marketing/sales
    - Other (please specify) ________________________________
13. Do you have a degree in engineering?
   ○ Yes  ○ No (if NO, skip to question 14.)

13a. If yes, in what field?
   ○ Aerospace Engineering  ○ Electrical Engineering
   ○ Chemical Engineering  ○ Industrial Engineering
   ○ Civil Engineering  ○ Mechanical Engineering
   ○ Computer Engineering  ○ Other (please specify) ________________________________

14. What is your highest degree and year earned?  Year earned: __________
   Highest degree: ○ Bachelor’s  ○ Master’s  ○ Doctoral or 1st Professional

15. Please give your state or non-USA country abbreviation. __________

16. Which of the following categories best describes your organization’s primary line of business at your location?
   [Categories used by the Engineering Workforce Commission of the American Association of Engineering Societies, Inc.]
   ○ Accommodation & Food Services
   ○ Administrative/Support, Waste Management, & Remediation Services
   ○ Agriculture, Forestry, Fishing & Hunting
   ○ Arts, Entertainment, & Recreation
   ○ Construction
   ○ Educational Services
   ○ Finance & Insurance
   ○ Health Care, Social Assistance
   ○ Information (TV, cable, radio, telecommunications)
   ○ Management of Companies & Enterprises
   ○ Manufacturing
   ○ Mining (including Oil & Gas)
   ○ Professional, Scientific, & Tech Services (R&D)
   ○ Public Administration (Government/Civil Service/Military)
   ○ Real Estate & Rental Leasing
   ○ Retail Trade
   ○ Transportation & Warehousing
   ○ Utilities
   ○ Wholesale Trade
   ○ Other (please specify) ________________________________

   Thank you for your participation and response!
   Please return this survey in the postage-paid envelope provided.