# CHANGING TIMES <br> <br> CHANGING MINES 

 <br> <br> CHANGING MINES}

2010 Faculty Senate Distinguished Lecture
Annette Loch Bunge
Professor Emeritus
Chemical Engineering Department
Colorado School of Mines
March 23, 2011

## Additional Information

- Data sources and who was included in faculty numbers
- Tables of faculty numbers and timeline for women faculty
- Total number of faculty since 1974
- Number of women professors since 1974
$\square$ Firsts
$\square$ Percentage over time
$\square$ Comparing 2004 to 2010
- Number of men professors since 1974
$\square$ Comparing 2004 to 2010
- Additional graphs
$\square$ Percent of all professors in each rank since 1974 for men and women
$\square$ Number and percent of all professors in each rank since 2000 for men and women
$\square$ Percent of women or men in each rank since 2000
- Women faculty by year and department
- All women faculty by department


## Counting Faculty - Data Sources

- Student Bulletins
- Human Resources Data
- Prospector Yearbook
- Direct Contact (Women Only)



## Counting Faculty - Data Sources

■ Student Bulletins
$\square$ Published annually before the academic year begins
$\square$ Often (but not always) a one-year lag
$\square$ Data updates have not always been timely
$\square$ Only 2 published 1988-1992
■ Human Resources Data

- Prospector Yearbook
- Direct Contact (Women Only)



## Counting Faculty - Who is Included

■ Assistant Professors

- Associate Professors
- Professors



## Counting Faculty - Who is NOT included?

- Lecturers
- Instructors
- Adjunct (Assistant / Associate) Professors
- Emeritus (Associate) Professors
- Visiting (Assistant / Associate) Professors
- Research (Assistant / Associate) Professors


Table 1. Number of women and all tenure track faculty by rank in each academic year. The numbers for all faculty were counted from the Directory of the School included in the student Bulletins, which were published annually except for 1989 and 1991. The number for all faculty in 1989 and 1991 were assumed to be the same as the prior year (i.e., 1988 and 1990, respectively). Faculty with appointments in Military Science Department or Athletics were excluded. The numbers for women faculty were determined using data from the Student bulletins combined with other sources including direct contact where possible (see Table 2 for more detail on women faculty).

|  | Women |  |  |  | All (Women and Men Combined) |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Year | Professor | Associate | Assistant | Total | Professor | Associate | Assistant | Total |
| 1974 | 0 | 0 | 1 | 1 | 51 | 44 | 30 | 125 |
| 1975 | 0 | 0 | 2 | 2 | 49 | 43 | 28 | 120 |
| 1976 | 0 | 0 | 3 | 3 | 51 | 46 | 29 | 126 |
| 1977 | 1 | 0 | 4 | 5 | 52 | 47 | 37 | 136 |
| 1978 | 1 | 0 | 5 | 6 | 57 | 56 | 39 | 152 |
| 1979 | 1 | 0 | 5 | 6 | 60 | 56 | 33 | 149 |
| 1980 | 1 | 0 | 5 | 6 | 65 | 54 | 35 | 154 |
| 1981 | 1 | 1 | 12 | 14 | 71 | 55 | 42 | 168 |
| 1982 | 1 | 1 | 13 | 15 | 82 | 54 | 45 | 181 |
| 1983 | 0 | 3 | 11 | 14 | 87 | 53 | 41 | 181 |
| 1984 | 0 | 3 | 9 | 12 | 93 | 55 | 37 | 185 |
| 1985 | 0 | 4 | 7 | 11 | 91 | 54 | 35 | 180 |
| 1986 | 0 | 5 | 7 | 12 | 94 | 50 | 27 | 171 |
| 1987 | 0 | 10 | 3 | 13 | 103 | 47 | 24 | 174 |
| 1988 | 0 | 9 | 5 | 14 | 94 | 48 | 25 | 167 |
| 1989 | 0 | 11 | 3 | 14 | 94 | 48 | 25 | 167 |
| 1990 | 0 | 12 | 3 | 15 | 83 | 59 | 18 | 160 |
| 1991 | 3 | 12 | 3 | 18 | 83 | 59 | 18 | 160 |
| 1992 | 3 | 13 | 4 | 20 | 83 | 58 | 20 | 161 |
| 1993 | 3 | 13 | 4 | 20 | 82 | 57 | 21 | 160 |
| 1994 | 3 | 13 | 5 | 21 | 80 | 53 | 23 | 156 |
| 1995 | 4 | 12 | 6 | 22 | 82 | 55 | 27 | 164 |
| 1996 | 5 | 10 | 5 | 20 | 82 | 54 | 30 | 166 |
| 1997 | 6 | 9 | 5 | 20 | 82 | 55 | 34 | 171 |
| 1998 | 6 | 7 | 5 | 18 | 80 | 60 | 28 | 168 |
| 1999 | 6 | 7 | 7 | 20 | 84 | 57 | 27 | 168 |
| 2000 | 6 | 9 | 8 | 23 | 75 | 58 | 35 | 168 |
| 2001 | 6 | 9 | 9 | 24 | 82 | 62 | 37 | 181 |
| 2002 | 6 | 9 | 10 | 25 | 87 | 65 | 31 | 183 |
| 2003 | 6 | 7 | 13 | 26 | 81 | 62 | 28 | 171 |
| 2004 | 6 | 7 | 10 | 23 | 83 | 61 | 30 | 174 |
| 2005 | 5 | 7 | 12 | 24 | 82 | 58 | 36 | 176 |
| 2006 | 5 | 10 | 11 | 26 | 82 | 59 | 38 | 179 |
| 2007 | 6 | 11 | 9 | 26 | 81 | 59 | 39 | 179 |
| 2008 | 7 | 13 | 11 | 31 | 84 | 62 | 45 | 191 |
| 2009 | 6 | 12 | 11 | 29 | 82 | 61 | 49 | 192 |
| 2010 | 7 | 12 | 13 | 32 | 81 | 64 | 53 | 198 |

Table 2. List and timeline for women who have been appointed as Assistant Professor, Associate Professor or Professor at Mines listed by department (using the name of the department at time of appointment in most, although not all cases). The timeline indicates women in the ranks of Assistant Professor, Associate Professor, and Professor (designated by the numbers 1, 2 and 3, respectively) by academic year listed by the first year (i.e., 1974 represents the 1974-75 academic year). A faculty member is listed in a given academic year if she were at Mines any time during that academic year or the summer following that academic year. (For example, a faculty member who left Mines at the end of the 1990 Fall semester or the 1991 Spring semester or Summer 1991 is listed in 1990 but not in 1991.) A faculty member who started in the Summer is assigned to the academic year of the following Fall semester (i.e., a faculty member who started in Summer 1991 is shown as starting in 1991). Although promotions are announced during Spring semester, they become official in the following Fall semester and are recorded in the academic year of that Fall semester. For some faculty members, only the year they started or left was known. In these cases, it was assumed that they started at the beginning of the academic year (Fall semester) and left at the end of the academic year (Spring semester).

| Last Name | First Name | Dept | Start | Assistant | Associate | Professor | Left | $\begin{array}{\|l} \hline \begin{array}{l} \text { Changed } \\ \text { Dept } \end{array} \\ \hline \end{array}$ | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| McCabe | Clare | Chem Eng \& Petr Refining | 2002 Spg | 2002 Spg |  |  | 2004 Sum |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Bunge | Annette | Chemical \& Petr-Refining Eng | 1981 Fall | 1981 Fall | 1985 Fall | 1991 Fall | 2005 Sum |  |  |  |  |  |  |  |  | 1 | 1 | 1 | 1 | 2 |
| Shine | Annette | Chemical Eng \& Petr Refining | 1986 Fall | 1986 Fall |  |  | 1988 Sum |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Koh | Carolyn | Chemical Engineering | 2006 Fall |  | 2006 Fall |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Voelker | Bettina | Chemistry \& Geochemistry | 2004 Fall |  | 2004 Fall |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Williams | Kim | Chemistry \& Geochemistry | 1997 Fall | 1997 Fall | 2000 Fall |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Carey | Janis | Economics \& Business | 1998 Fall | 1998 Fall |  |  | 2004 Sum |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Dahl | Carol | Economics \& Business | 1991 Fall |  |  | 1991 Fall | 2010 Fall |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Godesiabois | Joy | Economics \& Business | 2008 Fall | 2008 Fall |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Gurgur | Cigdem | Economics \& Business | 2003 Fall | 2003 Fall |  |  | 2009 Spg |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Katok | Elena | Economics \& Business | 1997 Fall | 1997 Fall |  |  | 1998 Fall |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Khindanova | Irina | Economics \& Business | 2000 Fall | 2000 Fall |  |  | 2007 Spg |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Maurer | Ruth | Economics \& Business->Mathematics | 1978 Fall | 1978 Fall | 1983 Fall |  | 1996 Sum | 1987 Fall |  |  |  |  | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| Newman | Alexandra | Economics \& Business | 2000 Fall | 2000 Fall | 2006 Fall |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Semikolenova | Yadviga | Economics \& Business | 2006 Fall | 2006 Fall |  |  | 2007 Spg |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Gosink | Joan | Engineering | 1991 Fall |  |  | 1991 Fall | 2003 Fall |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Johnson | Kathryn | Engineering | 2005 Fall | 2005 Fall |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Knox-Kelecy | Andrea | Engineering | 1995 Spg | 1995 Spg |  |  | 1997 Sum |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Silverman | Anne | Engineering | 2011 Spg | 2011 Spg |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Wang | Judith | Engineering | 2007 Fall | 2007 Fall |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Weiss | Manoja | Engineering | 2003 Fall | 2003 Fall |  |  | 2009 Spg |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Brooks | Joan | Engineering / Basic Engineering | 1976 Fall | 1976 Fall |  |  | 1985 Spg |  |  |  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |  |
| Carnell | Debra | Engineering / Basic Engineering | 1981 Fall | 1981 Fall |  |  | 1984 Spg |  |  |  |  |  |  |  |  | 1 | 1 | 1 |  |  |
| Gibbs | Elizabeth | Engineering / Basic Engineering | 1981 Fall | 1981 Fall |  |  | 1984 Spg |  |  |  |  |  |  |  |  | 1 | 1 | 1 |  |  |
| Willard | Beatrice | Environmental Science | 1977 Fall |  |  | 1977 Fall | 1983 Spg |  |  |  |  | 3 | 3 | 3 | 3 | 3 | 3 |  |  |  |
| Ahmann | Dianne | Environmental Science \& Eng | 1999 Fall | 1999 Fall |  |  | 2005 Fall |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Dawson | Helen | Environmental Science \& Eng | 1991 Fall | 1991 Fall |  |  | 1998 Spg |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Figueroa | Linda | Environmental Science \& Eng | 1990 Fall | 1990 Fall | 1997 Fall |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Marr | Junko Munakata | Environmental Science \& Eng | 1999 Fall | 1999 Fall | 2006 Fall |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Booy | Emmy | Geology | 1977 Fall | 1977 Fall | 1983 Fall |  | 1988 Spg |  |  |  |  | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| Aschoff | Jennifer | Geology \& Geological Eng | 2008 Fall | 2008 Fall |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Harrison | Wendy | Geology \& Geological Eng | 1988 Spg | 1988 Spg | 1991 Fall | 1997 Fall |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Plink-Bjorklund | Piret | Geology \& Geological Eng | 2006 Spg | 2006 Spg | 2007 Fall |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Poeter | Eileene | Geology \& Geological Eng | 1987 Sum | 1987 Sum | 1991 Fall | 1996 Fall | 2008 Fall |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Zhou | Wei (Wendy) | Geology \& Geological Eng | 2008 Spg |  | 2008 Spg |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Skokan | Catherine | Geophysics->Engineering | 1982 Fall | 1982 Fall | 1987 Fall |  | 2010 Fall | 1996 Fall |  |  |  |  |  |  |  |  | 1 | 1 | 1 | 1 |
| Alexander | Julia Ann | Humanities \& Social Sciences | 1974 Fall | 1974 Fall |  |  | 1979 Spg |  | 1 | 1 | 1 | 1 | 1 |  |  |  |  |  |  |  |
| Cannon | Betty Jo | Humanities \& Social Sciences | 1981 Fall | 1981 Fall | 1987 Fall |  | 1997 Spg |  |  |  |  |  |  |  |  | 1 | 1 | 1 | 1 | 1 |
| Hackos | Joann | Humanities \& Social Sciences | 1979 Fall | 1979 Fall |  |  | 1983 Spg |  |  |  |  |  |  | 1 | 1 | 1 | 1 |  |  |  |
| Ochs | Kathleen | Humanities \& Social Sciences | 1981 Fall | 1981 Fall | 1987 Fall |  | 2003 Spg |  |  |  |  |  |  |  |  | 1 | 1 | 1 | 1 | 1 |
| Olds | Barbara | Humanities \& Social Sciences | 1984 Fall | 1984 Fall | 1989 Fall | 1995 Fall | 2008 Fall |  |  |  |  |  |  |  |  |  |  |  | 1 | 1 |
| Pang | Laura | Humanities \& Social Sciences | 1988 Fall | 1988 Fall | 1992 Fall |  | 2008 Fall |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Wiley | Karen | Humanities \& Social Sciences | 1981 Fall | 1981 Fall | 1987 Fall |  | 2003 Spg |  |  |  |  |  |  |  |  | 1 | 1 | 1 | 1 | 1 |
| Davis | Elizabeth Van Wie | Liberal Arts \& Intl Studies | 2009 Fall |  |  | 2009 Fall |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Gaylord | Sylvia | Liberal Arts \& Intl Studies | 2007 Spg | 2007 Spg |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Gianquitto | Tina | Liberal Arts \& Intl Studies | 2003 Fall | 2003 Fall | 2008 Fall |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Hancock | Kathleen | Liberal Arts \& Intl Studies | 2009 Fall | 2009 Fall |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Moon | Suzanne | Liberal Arts \& Intl Studies | 2002 Fall | 2002 Fall |  |  | 2007 Sum |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Schneider | Jennifer | Liberal Arts \& Intl Studies | 2007 Fall | 2007 Fall |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Camp | Tracy | Mathematical and Computer Sci | 1998 Fall | 1998 Fall | 2000 Fall | 2007 Fall |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Han | Qi | Mathematical and Computer Sci | 2005 Fall | 2005 Fall |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |


| Last Name | First Name | Dept | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| McCabe | Clare | Chem Eng \& Petr Refining |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 1 | 1 |  |  |  |  |  |  |  |
| Bunge | Annette | Chemical \& Petr-Refining Eng | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |  |  |  |  |  |  |
| Shine | Annette | Chemical Eng \& Petr Refining | 1 | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Koh | Carolyn | Chemical Engineering |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 | 2 | 2 | 2 | 2 |
| Voelker | Bettina | Chemistry \& Geochemistry |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Williams | Kim | Chemistry \& Geochemistry |  |  |  |  |  |  |  |  |  |  |  | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Carey | Janis | Economics \& Business |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 1 | 1 | 1 | 1 | 1 |  |  |  |  |  |  |  |
| Dahl | Carol | Economics \& Business |  |  |  |  |  | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Godesiabois | Joy | Economics \& Business |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 1 | 1 |
| Gurgur | Cigdem | Economics \& Business |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 1 | 1 | 1 | 1 | 1 |  |  |
| Katok | Elena | Economics \& Business |  |  |  |  |  |  |  |  |  |  |  | 1 | 1 |  |  |  |  |  |  |  |  |  |  |  |  |
| Khindanova | Irina | Economics \& Business |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |  |  |  |  |
| Maurer | Ruth | Economics \& Business->Mathematics | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Newman | Alexandra | Economics \& Business |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| Semikolenova | Yadviga | Economics \& Business |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |  |  |  |  |
| Gosink | Joan | Engineering |  |  |  |  |  | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |  |  |  |  |  |  |  |
| Johnson | Kathryn | Engineering |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 1 | 1 | 1 | 1 | 1 |
| Knox-Kelecy | Andrea | Engineering |  |  |  |  |  |  |  |  | 1 | 1 | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Silverman | Anne | Engineering |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Wang | Judith | Engineering |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 1 | 1 | 1 |
| Weiss | Manoja | Engineering |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 1 | 1 | 1 | 1 | 1 |  |  |
| Brooks | Joan | Engineering / Basic Engineering |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Carnell | Debra | Engineering / Basic Engineering |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Gibbs | Elizabeth | Engineering / Basic Engineering |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Willard | Beatrice | Environmental Science |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Ahmann | Dianne | Environmental Science \& Eng |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |  |  |  |  |  |
| Dawson | Helen | Environmental Science \& Eng |  |  |  |  |  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Figueroa | Linda | Environmental Science \& Eng |  |  |  |  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Marr | Junko Munakata | Environmental Science \& Eng |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| Booy | Emmy | Geology | 2 | 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Aschoff | Jennifer | Geology \& Geological Eng |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 1 | 1 |
| Harrison | Wendy | Geology \& Geological Eng |  |  | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Plink-Bjorklund | Piret | Geology \& Geological Eng |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 1 | 2 | 2 | 2 | 2 |
| Poeter | Eileene | Geology \& Geological Eng |  |  | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |  |  |
| Zhou | Wei (Wendy) | Geology \& Geological Eng |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 | 2 | 2 |
| Skokan | Catherine | Geophysics->Engineering | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Alexander | Julia Ann | Humanities \& Social Sciences |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cannon | Betty Jo | Humanities \& Social Sciences | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Hackos | Joann | Humanities \& Social Sciences |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Ochs | Kathleen | Humanities \& Social Sciences | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |  |  |  |  |  |  |  |  |
| Olds | Barbara | Humanities \& Social Sciences | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |  |  |
| Pang | Laura | Humanities \& Social Sciences |  |  | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |  |  |
| Wiley | Karen | Humanities \& Social Sciences | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |  |  |  |  |  |  |  |  |
| Davis | Elizabeth Van Wie | Liberal Arts \& Intl Studies |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3 | 3 |
| Gaylord | Sylvia | Liberal Arts \& Intl Studies |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 1 | 1 | 1 | 1 |
| Gianquitto | Tina | Liberal Arts \& Intl Studies |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| Hancock | Kathleen | Liberal Arts \& Intl Studies |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 1 |
| Moon | Suzanne | Liberal Arts \& Intl Studies |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 1 | 1 | 1 | 1 |  |  |  |  |
| Schneider | Jennifer | Liberal Arts \& Intl Studies |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 1 | 1 | 1 |
| Camp | Tracy | Mathematical and Computer Sci |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 |
| Han | Qi | Mathematical and Computer Sci |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 1 | 1 | 1 | 1 | 1 |


| Last Name | First Name | Dept | Start | Assistant | Associate | Professor | Left | Changed Dept | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Hering | Amanda | Mathematical and Computer Sci | 2009 Fall | 2009 Fall |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Moskal | Barbara | Mathematical and Computer Sci | 1999 Fall | 1999 Fall | 2004 Fall | 2008 Fall |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Murphy | Robin | Mathematical and Computer Sci | 1992 Fall | 1992 Fall |  |  | 1998 Sum |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Polycarpou | Irene | Mathematical and Computer Sci | 2008 Fall | 2008 Fall |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Pratt | Lorien | Mathematical and Computer Sci | 1992 Fall | 1992 Fall |  |  | 1996 Spg |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Qui | Jingmei | Mathematical and Computer Sci | 2008 Fall | 2008 Fall |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Bath | Barbara | Mathematics | 1987 Fall |  | 1987 Fall |  | 2003 Fall |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Bell | Jean | Mathematics | 1983 Fall | 1983 Fall | 1989 Fall |  | 1998 Spg |  |  |  |  |  |  |  |  |  |  | 1 | 1 | 1 |
| Hundhausen | Joan | Mathematics | 1975 Fall | 1975 Fall | 1981 Fall |  | 1998 Spg |  |  | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| Oslund | Sally | Mathematics | 1981 Fall | 1981 Fall |  |  | 1984 Spg |  |  |  |  |  |  |  |  | 1 | 1 | 1 |  |  |
| Packard | Corrine | Metallurgical \& Materials Eng | 2010 Fall | 2010 Fall |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Graves | Ramona | Petroleum Engineering | 1981 Fall | 1981 Fall | 1986 Fall | 2004 Fall |  |  |  |  |  |  |  |  |  | 1 | 1 | 1 | 1 | 1 |
| Miskimins | Jennifer | Petroleum Engineering | 2003 Fall | 2003 Fall | 2008 Fall |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Prasad | Manika | Petroleum Engineering | 2007 Fall |  | 2007 Fall |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Tutuncu | Azra | Petroleum Engineering | 2010 Fall |  |  | 2010 Fall |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Hofstee | Mariet | Physics | 1995 Fall | 1995 Fall |  |  | 2003 Sum |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sutter | Eli | Physics | 2001 Spg | 2001 Spg |  |  | 2004 Fall |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Professor |  |  |  |  |  |  | Prof |  | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 |
| Assocociate Professor |  |  |  |  |  |  | Assoc |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 3 | 4 |
| Assistant Professor |  |  |  |  |  |  | Assist |  | 1 | 2 | 3 | 4 | 5 | 5 | 5 | 12 | 13 | 11 | 9 | 7 |
| TOTAL |  |  |  |  |  |  | TOTAL |  | 1 | 2 | 3 | 5 | 6 | 6 | 6 | 14 | 15 | 14 | 12 | 11 |


| Last Name | First Name | Dept | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Hering | Amanda | Mathematical and Computer Sci |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 1 |
| Moskal | Barbara | Mathematical and Computer Sci |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 |
| Murphy | Robin | Mathematical and Computer Sci |  |  |  |  |  |  | 1 | 1 | 1 | 1 | 1 | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Polycarpou | Irene | Mathematical and Computer Sci |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 1 | 1 |
| Pratt | Lorien | Mathematical and Computer Sci |  |  |  |  |  |  | 1 | 1 | 1 | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Qui | Jingmei | Mathematical and Computer Sci |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 1 | 1 |
| Bath | Barbara | Mathematics |  | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |  |  |  |  |  |  |  |
| Bell | Jean | Mathematics | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Hundhausen | Joan | Mathematics | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Oslund | Sally | Mathematics |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Packard | Corrine | Metallurgical \& Materials Eng |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Graves | Ramona | Petroleum Engineering | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Miskimins | Jennifer | Petroleum Engineering |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| Prasad | Manika | Petroleum Engineering |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 | 2 | 2 | 2 |
| Tutuncu | Azra | Petroleum Engineering |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3 |
| Hofstee | Mariet | Physics |  |  |  |  |  |  |  |  |  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |  |  |  |  |  |  |  |  |
| Sutter | Eli | Physics |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 1 | 1 | 1 | 1 |  |  |  |  |  |  |



## Total Number of Faculty



## Women Professors Since 1974



## Number of Women Professors Since 1974 \& Firsts



## Number of Women Professors Since 1974 \& Firsts

## Beatrice Willard

Environmental Sciences
\& Engineering Ecology


## Number of Women Professors Since 1974 \& Firsts



## Number of Women Professors Since 1974 \& Firsts



## Number of Women Professors Since 1974



## Number of Women Professors Since 1974

> Science, Engineering, Math $1994-10 \%$
> $2010-12 \%$

| MIT (1995-2010) |
| :---: |
| Science: $8 \%$ to $19 \%$ |
| Engineering: $7 \%$ to $16 \%$ |



## Number of Women Professors Since 1974



## Number of Men Professors Since 1974



## Percent of All Professors By Rank Since 1974




## Number \& Percent of All Professors By Rank Since 2000



## Percent of Women or Men in Each Professor Rank



## Percent of Women in Each Professor Rank



## All Women Professors 1974-2010



## All Women Professors 1974-2010



## All Women Professors 1974-2010



## All Women Professors 1974-2010



## Number of Women Faculty By Year










































