

Syracuse University

Faculty Mentoring in a Networked World

Addendum:

Resources, Links and References



The complete version of the toolkit, each section and individual forms are available to download at <http://suadvance.syr.edu> (look for Mentoring Resources). The complete printed version of the toolkit is available for order also at the website.

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Addendum: Resources, Links and References

Core books and articles of interest

This toolkit can be found on the SU ADVANCE website along with the electronic versions of worksheets: <http://suadvance.syr.edu/>

Bush, P.M. (2013). *Transforming your STEM career through leadership and innovation*. New York: Elsevier Inc.

Crone, W.C. (2010). *Survive and thrive: A guide for tenured faculty*. San Rafael, CA: Morgan & Claypool Publishers.

Crone examines the role that mentoring plays in faculty promotion and offers guidance for mentoring untenured faculty.

Daniell, E. (2008). *Every other Thursday; Stories and strategies from successful scientists*. New Haven, CT: Yale University Press.

Daniell tells the story of a professional problem-solving group that for more than 25 years has empowered its members (accomplished women STEM faculty) by providing practical and emotional aid. The objective is cooperation in a competitive world. And the objective of the book is to encourage those who feel isolated or stressed in a work or academic setting to consider the benefits of such a group.

Dean, D.J. (2009). *Getting the most out of your mentoring relationships: A handbook for women in STEM*. Springer:New York.

Gender Equity Guidelines for Department Chairs (2008). Washington, D.C.: American Association of University Professors. Retrieved from <http://www.aaup.org/issues/women-higher-education/gender-equity-guidelines-department-chairs>

Jordan, C.G., & Bilimoria, D. (2010). Creating a productive and inclusive academic work environment. In A.J. Stewart, J.E. Malley, & D. LaVaque-Manty (Eds.), *Transforming science and engineering; Advancing academic women*. pp.225-242. Ann Arbor, Michigan: The University of Michigan Press.

Sorcinelli, Mary Deane, and Jung H. Yun. "When mentoring is the medium: Lessons learned from a faculty development initiative." *To improve the academy*, 27, 365-384.

Sorcinelli, Mary Deane (2011). The Top Ten Things New Faculty Would Like to Hear From Colleagues. Can be found at <http://academicladder.com/top-ten-things-new-faculty-members-would-like-to-hear-from-colleagues>.

University of Massachusetts – Selected bibliography on mentoring can be found at <http://www.umass.edu/ctfd/mentoring/downloads/Mentoring%20Bibliography%20and%20Resources.pdf>

University of Michigan ADVANCE -How to Help New Faculty Settle in: Common Problems and Alternative Solutions. Can be found at <http://www.advance.rackham.umich.edu/HelpNewFacultySettleIn.pdf>

Valian, V., (2007). Chairs and Faculty Development. Can be found at <http://www.hunter.cuny.edu/genderequity/equityMaterials/Jan2007/facdevel.107.pdf>

Addendum: Resources, Links and References

Sample mentoring programs

Harvard University, Office of Faculty Development & Diversity. This site includes links to resources for mentors and mentees. <http://www/faculty.harvard.edu/development-and-mentoring/faculty-mentoring-resources/mentor-resources>

Massachusetts Institute of Technology: Has an article that describes their program that is based on developmental networks and a handbook pdf. Can be found at <http://web.mit.edu/facultyworklife/newfaculty/mentoring.html>

Michigan State University: Excerpts of the toolkit, program development information, forms and other resources can be found at <http://www.adapp-advance.msu.edu/Faculty-Mentoring-Toolkit-Literature%20Cited>

My IDP Science Careers: Resources on career assessment, career planning and mentoring for post doctoral fellows and their mentors. Can be found at <http://myidp.sciencecareers.org/>

National Center for Faculty Development and Diversity: A mentoring map and other resources are available at <http://www.facultydiversity.org/?page=resources>

National Post Doctoral Association

<http://www.nationalpostdoc.org/publications/221-mentoring-plans-for-postdoctoral-scholars>

NSF ADVANCE Portal: Contains a wide variety of information and resources generated by other ADVANCE programs. Can be found at <http://www.portal.advance.vt.edu/index.php/tags/mentoring>

University of California - Davis School of Medicine: Mentoring Handbook: bibliography, sample forms and other useful information can be found at <http://www.ucdmc.ucdavis.edu/facultydev/mentoring.html>

University of Massachusetts Amherst: Center for Teaching and Faculty Development. <http://www.umass.edu/ctfd/mentoring/guidelines.shtml>

University of Rhode Island: A Faculty Mentoring Handbook is available at <http://www.uri.edu/advance/files/pdf/Mentoring/Fac%20Mentoring%20Handbook%20AUGUST%202008.pdf>

West Virginia University: WVUADVANCE. <http://advance.wvu.edu/>

Wright State University: Resources on mentoring, coaching and faculty development. Can be found at <http://www.wright.edu/leader/facultydevelopment.html>

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- Alford, K.A. (1998). Multicultural realities: A prescription for positive coexistence. *Open Eyes, Open Minds, Shades of Us: University of Minnesota Community Guide for Students of Color, 2*, 171-181.
- Allen, T.D., Eby, L.T. and Lentz, E. (2006). The relationship between formal mentoring program characteristics and perceived program effectiveness. *Personnel Psychology, 59*, 125-153.
- Belle, D. (1989). *Children's Social Networks and Social Supports*. New York City: Wiley.
- Bilimoria, D., Hopkins, M.M., O'Neil, D.A., and Perry, S.R. (2010). Executive coaching: An effective strategy for faculty development. In A.J. Stewart, J.E. Malley, & D. LaVaque-Manty (Eds.), *Transforming science and engineering; Advancing academic women* (pp.225-242). Ann Arbor, Michigan: The University of Michigan Press.
- Blickle, G., Witzki, A. and Schneider, P.B. (2009). Self-initiated mentoring and career success: A predictive field study. *Journal of Vocational Behavior, 74*(1), 94-101.
- Brandes, P., Mergel, I.A., Stanton, J., and Garland, M. (2013) *Comparing the Career Experiences and Outcomes of STEM Faculty Members: Syracuse's Story*. Presented at the NSF ADVANCE Program Annual Workshop, March 3-5, Alexandria VA.
- Burt, R. S. (2000). The network structure of social capital. In B. M. Staw and R. I. Sutton (Eds.), *Research in organizational behavior* (pp. 31–56). Greenwich, CT: JAI Press.
- Bush, P.M. (2013). *Transforming your STEM career through leadership and innovation*. New York: Elsevier Inc.
- Cho, C.S., Ramanan, R.A. and Feldman, M.D. (2011). Defining the ideal qualities of mentorship: A qualitative analysis of the characteristics of outstanding mentors. *The American Journal of Medicine, 124*(5), 453-458.
- Crona, B. and Bodin, O. (2006). What you know is who you know? Communication patterns among resource users as a prerequisite for comanagement. *Ecology and Society, 11*(2), 7. Online at <http://www.ecologyandsociety.org/vol11/iss2/art7/>.
- Cross, R. L. and Parker., A. (2004). *The hidden power of social networks: Understanding how work really gets done in organizations*. Boston: Harvard Business School Press.
- Davies, A., Fidler, D. and Gorbis, M. (2011). *Future work skills 2020 executive summary*. Palo Alto, CA: Institute for the Future for Apollo Research Institute.
- De Janasz, S.C. and Sullivan, S.E. (2004). Multiple mentoring in academe: Developing the professorial network. *Journal of Vocational Behavior, 64*(2), 263-283.
- Dinolfo, S., & Nugent, J. S. (2010). *Making Mentoring Work*. New York: Catalyst.
- Dobrow, S. R., & Higgins, M. C. (2005). Developmental networks and professional identity: A longitudinal study. *Career Development International, 10*, 567-583.
- Work Life Law. (2013). *Effective Policies and Programs for Retention and Advancement of Women in Academia*. Work Life Law.org: UC Hastings College of the Law. Retrieved November 20, 2013 from <http://worklifelaw.org/wp-content/uploads/2013/01/Effective-Policies-and-Programs-for-Retention-and-Advancement-of-Women-in-Academia.pdf>.
- Feld S. (1982). Structural determinants of similarity among associates. *American Sociological Review, 47*, 797–801.
- Freeman, L. C. 1979. Centrality in social networks. *Social Networks, 1*, 215–239.
- Girves, J.E., Zepeda, Y., and Gwathmey, J.K. (2005). Mentoring in a post-affirmative action world. *Journal of Social Issues, 61*(3), 449-479.
- Goodwin, S. (2013). *Faculty mentoring policy & resources, version 2.1*. Dayton, Ohio: Wright State University, College of Science and Mathematics.
- Granovetter, M. (1973). The strength of weak ties. *American Journal of Sociology, 78*, 1360–1380.

References continued:

- Granovetter, M. (1983). The strength of weak ties: A network theory revisited. *Sociological Theory*, 201-233.
- Hansen, M.T. (1999). The search-transfer problem: The role of weak ties in sharing knowledge across organization subunits. *Administrative Science Quarterly*, 44(1), 82-111.
- Haggard, D.L., Dougherty, T.W., Turban, D.B. and Wilbanks, J.E. (2010). Who is a mentor? A review of evolving definitions and implications for research. *Journal of Management*, 37(1), 280-304.
- Harley, D. A. (2005). In a different voice: An African-American woman's experiences in the rehabilitation and higher education realm. *Rehabilitation Education—Special Issue: The Role of Women in Rehabilitation Counselor Education*, 15(1), 37-45.
- Higgins, M.C. and Kram, K.E. (2001). Reconceptualizing mentoring at work: A developmental network perspective. *The Academy of Management Review*, 26(2), 264-288.
- Ibarra, H. (1993). Personal networks of women and minorities in management: A conceptual framework. *The Academy of Management Review*, 18(1), 56-87. Article Stable URL: <http://www.jstor.org/stable/258823>
- Ibarra, H., Carter, N., & Silva, C. (2010). Why men still get more promotions than women. *Harvard Business Review*, 88(9), 80-85.
- Institute for the Future (2011). *Future work skills 2020 executive summary*. Austin, TX: Apollo Research Institute.
- Johnson, W. B. (2002). The intentional mentor: Strategies and guidelines for the practice of mentoring. *Professional Psychology: Research and Practice*, 33(1), 88-96.
- Johnson-Bailey, J. and Cervero, R. M. (2002). Cross-cultural mentoring as a context for learning. *New Directions for Adult and Continuing Education*, 96, 15-26.
- Kang, J. (August 2009) *Implicit Bias: A Primer for the Courts*. Williamsburg, VA: National Campaign to Ensure the Racial and Ethnic Fairness of America's State Courts.
- Kilduff, M. and Tsai, W. (2003). *Social Networks and Organizations*. Los Angeles: Sage.
- Krackhardt, D. (1992). The strength of strong ties: The importance of philos in organizations. In N. Nohtia and R. G. Eccles (Eds.) *Networks and organizations: Structure, form, and action* (216–239). Boston: Harvard Business School Press.
- Krackhardt, D., & Hanson, J. R. (1993). Informal networks. *Harvard Business Review*, 71, 104-111.
- Latimer, M., Jackson, J. K., and Stores, K. (2012, June). *ADVANCing women and STEM faculty members through strategic career planning*. Workshop presented at the WEPAN National Conference: Columbus Ohio. Available at: <http://ocs.sfu.ca/wepan/index.php/wepan2012/wepan2012/paper/view/332>
- Lazer, D. & Mergel, I.A. (2011). *Tying the Network Together: Evaluation the Impact of an Intervention in the Advice Network of Public Managers*. Available at Social Science Research Network (SSRN): <http://ssrn.com/abstract=1881674> or <http://dx.doi.org/10.2139/ssrn.1881674>.
- Li, Z. (2000). *The mentor's guide: Facilitating effective learning relationships*. San Francisco: Jossey-Bass
- Luz, C.C. (ED.) (2011). *Faculty mentoring toolkit: A resource for faculty, mentors and administrators at Michigan State University* (NSF ADVANCE Grant # 0811205). East Lansing, MI: Michigan State University.
- Mergel, I. (2012, March) The only woman in the room: Networking strategies among STEM faculty. Presented at the International Network of Social Network Analysts, Sunbelt XXXII, Redondo Beach, CA.
- Minority Corporate Counsel Association. *Mentoring across differences: A guide to cross-gender and cross-race mentoring*. Washington, DC: Minority Corporate Counsel Association. Retrieved from <http://www.mcca.com/index.cfm?Pageid=666> on August 15, 2013.

References continued:

- Molloy, J. C. (2005). Development networks: Literature review and future research. *Career Development International*, 10, 536–547.
- Moody, J. (2004). Supporting women and minority Faculty. *Academe*, 90 (1), 47-52. Washington, DC.: American Association of University Professors. Article Stable URL: <http://www.jstor.org/stable/40252590> retrieved on August 13, 2013.
- Newman, L., & Dale, A. (2005). Network structure, diversity, and proactive resilience building: a response to Tompkins and Adger. *Ecology and Society*, 10(1), r2.
- Parise, M.R. and Forret, M.L. (2008). Formal mentoring programs: The relationship of program design and support to mentors' perception of benefits and costs. *Journal of Vocational Behavior*, 72(2008), 225-240.
- Ponjuan, L., Conley, V. M. and Trower, C. (2011). Career stage differences in pre-tenure track faculty perceptions of professional and personal relationships with colleagues. *The Journal of Higher Education* 82(3), 319-346. The Ohio State University Press. Retrieved August 22, 2013 from Project MUSE database.
- Prell, C., Huback, K, and Reed, M. (2009). Stakeholder analysis and social network analysis in natural resource management. *Society and Natural Resources: An International Journal*, 22(6), 501-518.
- Rankin, P., Neilsen, J., and Stanley, D. M. (2007). Weak links, hot networks, and tacit knowledge: Why advancing women requires networking. In A. Stewart, J. E. Malley, and D. LaVaque-Manty (Eds.). *Transforming Science and Engineering: Advancing Academic Women* (pp. 31-47). Ann Arbor, MI: University of Michigan Press.
- Roberson, L. and Kulik, C. (2007). Stereotype threat at work. *Academy Management Perspective*, 21(2), 24-40.
- Sandberg, S. (2013). *Lean in: Women work and the will to lead*. New York, NY: Random House LLC.
- Sorcinelli, M.D. and Yun, J. (2007). From Mentor to Mentoring Networks: Mentoring in the New Academy. *Change: The Magazine of Higher Learning*, 39(6), 58-61. DOI: 10.3200/CHNG.39.6.58-C4.
- Straus, S. E., Johnson, M. O., Marquez, C., and Feldman, M. D. (2013). Characteristics of successful and failed mentoring relationships: A qualitative study across two academic health centers. *Academic Medicine*, 88(1), 82-89. doi: 10.1097/ACM.0b013e31827647a0.
- Thomas, D. A. (2001). The truth about mentoring minorities race matters. *Harvard Business Review*, 79(4), 98-107.
- Ugrin, J. C., Odom, M.D., and Pearson, J.M. (2008). Exploring the importance of mentoring for new scholars: A social exchange perspective. *Journal of Information Systems Education* 19(3), 343-350.
- Valian, V. (1998). *Why so slow? The advancement of women*. Cambridge, MA: M.I.T. Press.
- Wanberg C.R., Welsh E.T., and Hezlett S.A. (2003). Mentoring research: A review and dynamic process model. In G. R. Ferris and J.J. Martocchio (Eds.), *Research in Personnel and Human Resources Management*, 22; 39–124. Greenwich, CT: Elsevier Science/JAI Press.
- Wellman, B. and Frank. K. (2001). Network capital in a multi-level world: Getting support in personal communities. In N. Lin, K. Cook, and R. Burt (Eds.) *Social capital: Theory and research*, 233–237. New York: Aldine de Gruyter.
- Yun, J. H. & Sorcinelli, M. D. (2008). When mentoring is the medium: Lessons learned from mutual mentoring as a faculty development initiative. *To Improve the Academy*, 27, 365-384.
- Zellers, D. F., Howard, V. M., & Barcic, M. A. (2008). Faculty mentoring programs: Re-envisioning rather than reinventing the wheel. *Review of educational research*, 78(3), 552-588.