

# LEONARD N. MATHESON, Ph.D.

June 2009

## 1. ADDRESSES AND TELEPHONE NUMBERS

Business Office:

EpicRehab, LLC

188 Woodlands Place Court

Saint Charles, MO 63303

Phone: (636) 724-4556

Mobile: (636) 346-8869

Fax: (636) 898-0954

Email: [len@epicrehab.com](mailto:len@epicrehab.com)

Clinical Office:

Solutions Counseling Associates

Suite 130

16020 Swingley Ridge Road

Chesterfield, MO 63017

Office 636-449-6000

## 2. PRESENT POSITION

Executive Director, EpicRehab, LLC

Licensed Psychologist

Certified Vocational Evaluator

Certified Rehabilitation Counselor

## 3. EDUCATION

1970            B.A. in Psychology, University of Southern California

1972            M.A. in Psychology, Pepperdine University

1976            M.A. in Psychology (Adult Development and Aging), University of Southern California

1979            PhD. in Psychology (Adult Development and Aging), University of Southern California

## 4. ACADEMIC POSITIONS/EMPLOYMENT

Present            Licensed Psychologist  
Solutions Counseling Associates, Chesterfield, Missouri

2007-Present    Licensed Psychologist  
Center for Head Injury Services, St. Louis, Missouri

1996-Present	Licensed Psychologist Certified Vocational Evaluator Certified Rehabilitation Counselor EpicRehab, Chesterfield Missouri
2001-2007	Associate Professor, Program in Occupational Therapy Licensed Psychologist, Vocational Evaluator & Rehab Counselor Washington University School of Medicine, St. Louis, Missouri
2002-2005	Director, Occupational Performance Center The Rehabilitation Institute of St. Louis Director, Transit Access Center, St. Louis, Missouri
1995-2001	Director, Work Performance Clinical Laboratory Licensed Psychologist, Vocational Evaluator & Rehab Counselor Assistant Professor, Program in Occupational Therapy Washington University School of Medicine, St. Louis, Missouri
1992-1995	Assistant Research Professor, Program in Occupational Therapy Washington University School of Medicine
1990-1996	Associate Clinical Professor Program in Biokinesiology and Physical Therapy University of Southern California School of Medicine
1990-1995	Director, EPIC Human Performance Laboratory Licensed Psychologist, Vocational Evaluator & Rehab Counselor Employment Potential Improvement Corporation
1984-1990	Executive Director Licensed Psychologist, Vocational Evaluator & Rehab Counselor Employment and Rehabilitation Institute of California
1980-1984	Vice President, Research and Development I/O Psychologist & Assessment Systems Designer Work Evaluation Systems Technology
1979-1980	Psychological Intern, Clinical Gerontology Program Rancho Los Amigos Medical Center
1976-1979	Associate Director & Staff Clinical Psychologist Rehabilitation and Vocational Services Department Rancho Los Amigos Medical Center

- 1973-1976      Staff Clinical Psychologist  
Rehabilitation and Vocational Services Department  
Rancho Los Amigos Medical Center
- 1972-1977      Lecturer, Assistant Professor  
School of Allied Health Services, Loma Linda School of Medicine  
Loma Linda, California
- 1970-1973      Vocational Counselor  
Rehabilitation and Vocational Services Department  
Rancho Los Amigos Medical Center

**5. UNIVERSITY AND HOSPITAL APPOINTMENTS AND COMMITTEES**

- 2004-2007      Member, Advisory Committee, Human Subject Research Quality  
Assurance/Quality Improvement Program  
Washington University School of Medicine
- 2003-2005      Chair, Promotion & Tenure Committee  
Washington University Program in Occupational Therapy
- 2003-2005      Co-Chair, Admissions Committee  
Washington University Program in Occupational Therapy
- 2002-2004      Member, Human Studies Committee  
Washington University School of Medicine
- 1999-2003      Member, Admissions Committee  
Washington University Program in Occupational Therapy
- 2001-2005      Member, Committee on Academic Evaluation of Students  
Washington University Program in Occupational Therapy
- 1996-2001      Co-Chair, Committee on Academic Evaluation of Students  
Washington University Program in Occupational Therapy
- 1994-1999      Secretary and Board Member  
Orthomed Foundation, University of California San Diego, CA
- 1992-1998      Chairperson, Advisory Committee  
Rehabilitation Research and Training Centers on Aging with a  
Disability and Aging with a Spinal Cord Injury  
University of Southern California, Rancho Los Amigos Medical  
Center

**6. BOARD CERTIFICATION**

Certified Vocational Evaluator, #57366  
Certified Rehabilitation Counselor, #5177  
Licensed Psychologist (Missouri) #PYR0533  
Licensed Psychologist (California, Inactive) #PSY9294

**7. PROFESSIONAL AWARDS AND HONORS**

1999 National Association of Disability Evaluation Professionals  
Lifetime Achievement Award

1997 Pi Theta Epsilon Occupational Therapy National Honor Society  
Honorary Membership as Teacher of the Year, Xi Chapter, Washington  
University

1994 Commission on Accreditation of Rehabilitation Facilities  
Certificate of Appreciation for Outstanding Contribution as Trustee and Member  
of the Standards Committee

1992 U. S. Marine Corps  
Certificate of Appreciation for Outstanding Service Rendered during Operation  
Desert Shield and Operation Desert Storm

1992 American Occupational Therapy Association  
Certificate of Appreciation for Outstanding Contribution to the Field

1988 Commission on Accreditation of Rehabilitation Facilities  
Certificate of Appreciation

1984 American Board of Vocational Experts  
Life Diplomate #003-84

**8. EDITORIAL RESPONSIBILITIES**

2001-2006 Reviewer, Medical Advisory Board, The Medical Disability Advisor

2000-2006 Reviewer, PVA Spinal Cord Research Foundation

2000-2007 Member, Editorial Board, Spine

1999-Present Reviewer, WSIB Research Advisory Council

1990-Present Associate Editor, Journal of Occupational Rehabilitation

1990-Present Member, Editorial Board, Work: A Journal of Prevention, Assessment & Rehabilitation

1986-1990 Editor, Industrial Rehabilitation Quarterly

**9. PROFESSIONAL SOCIETIES, ORGANIZATIONS**

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|--------------|---|
| 1991-Present | Society of Industrial and Organizational Psychology, Member |
| 1984-2005    | Human Factors and Ergonomics Society, Member                |
| 1979-Present | American Psychological Association, Member                  |
| 1996-2007    | American Occupational Therapy Association, Associate Member |

**10. MAJOR INVITED PROFESSORSHIPS AND LECTURESHIPS**

1. Matheson, LN. Using Functional Capacity Evaluation to Minimize Your Exposure to Symptom Magnification Syndrome. SEAK Workers' Compensation and Occupational Medicine National Conference, Hyannis, MA, July, 2006.
2. Matheson, LN. Virtual Work Simulation. Virtual Reality, Rehab & Occupation. Washington University St. Louis and University of Haifa, Israel February, 2005.
3. Matheson, LN. Keynote Address: Emerging models of disability determination and industrial rehabilitation. Canadian Kinesiotherapy Alliance Annual Meeting. Vancouver, British Columbia, Canada, April, 2003.
4. Matheson, LN. Professional integration to facilitate return to work after severe Trauma. Institute de Readaption en deficiance physique du Quebec. Annual Meeting. Quebec City, Quebec, Canada, October, 2002.
5. Matheson, LN. A new model for disability determination. Keynote Address, United Kingdom Society of Occupational Medicine Annual Scientific Meeting. Belfast Northern Ireland, June, 2001.
6. Matheson, LN. The Social Security System and functional capacity tests. Back Pain and Disability, Unraveling the Puzzle. Physical Medicine Research Foundation. New York, NY, November, 2000.
7. Matheson, LN. A new model for disability determination. Keynote Address, Work Special Interest Section, American Occupational Therapy Association, Indianapolis, April, 1999.
8. Matheson, LN. Work oriented rehabilitation: Interaction of physical and psychosocial factors. Keynote Address, Swiss Congress on Rehabilitation, Interlaken, Switzerland, April 23, 1998.
9. Matheson, LN. The use of functional capacity evaluation to resolve problems with the Social Security Disability program. Barriers Preventing Social Security Disability Recipients from Returning to Work. House of Representatives Ways and Means Committee, Subcommittee on Social Security, Washington, DC, July, 1997.
10. Matheson LN. Grand Rounds: Functional capacity evaluation. University of Oklahoma School of Medicine, Tulsa, OK, December, 1996.

11. Matheson, LN. The model to succeed with chronic patients. Keynote Address, Work Special Interest Section, World Congress of Physical Therapy. Washington, DC, July, 1995.
12. Matheson, LN. Balancing safety, reliability and validity. Keynote Address, Work Special Interest Section, American Occupational Therapy Association. Seattle, Washington, June, 1993.
13. Matheson, LN. Vocational feasibility and employability in industrial rehabilitation. Keynote Address, Industrial Rehabilitation Annual Provincial Conference. Workers Compensation Board of Alberta Rehabilitation Centre. Edmonton, Alberta, CAN, April, 1993.
14. Matheson, LN. Industrial rehabilitation in the USA. Keynote Address, Second International Isokinetic Seminar, Milan, Italy, April, 1992.
15. Matheson, LN. Work hardening. Keynote Address, Industrial Rehabilitation Annual Provincial Conference. Workers' Compensation Board of British Columbia, Vancouver, BC, November, 1992.

**11. CONSULTING RELATIONSHIPS AND BOARD MEMBERSHIPS**

2009	Harley Davidson Motorcycles, Milwaukee, Wisconsin
2008	Foster Farms, Kelso, Washington
2008	Cassens Trucking, Edwardsville, Illinois
2007	Hawaiian Airlines, Honolulu, Hawaii
2007	Aloha Airlines, Honolulu, Hawaii
2005-Present	Center for Head Injury Services, St. Louis, MO
2000-Present	Board Member U.S. Spine & Sport Foundation
2005-2008	American Medical Association, Chicago, IL
2003	Veteran's Administration: Vocational Rehabilitation & Employment Task Force, Washington, DC
2001-2007	HealthSouth Corporation
2000-2007	The Rehabilitation Institute of St. Louis, St. Louis, MO
1999-Present	US Spine & Sport Foundation, San Diego, CA
1999-Present	BTE Technologies, Denver, CO
1997-2000	American Institutes for Research, Washington, DC
1997	House of Representatives Subcommittee on Social Security, Washington, DC
1995-1999	Westat Corporation, Rockville, MD
1995	The Disney Corporation, Anaheim, CA
1994-1995	The Prudential Insurance Company, Parsippany, NJ
1994	Industrial Medical Council, California Division of Industrial Accidents
1993-2007	Social Security Administration, Baltimore, MD
1993-2000	Rehabilitation Research and Training Center on Aging and Spinal Cord Injury at USC - Rancho Los Amigos Hospital
1993-1994	E & J Gallo Winery, Modesto, CA

1992-1998 Orthomed Center, University of California San Diego, CA  
 1992-1998 Canadian Back Institute, Toronto, Ontario, Canada  
 1992 NASSCO Shipyards, San Diego, CA  
 1992 International Billing Services, Inc. Rancho Cordova, CA  
 1992 Chairperson, National Interdisciplinary Committee for Health Ergonomics  
  
 1991-1995 Injury Recovery Centers, Inc., Santa Ana, CA  
 1991-1995 Conejo Valley Healthcare Associates, Westlake, CA  
 1991-1995 Advanced Rehabilitation Concepts, Williamsburg, VA  
 1991 National Advisory Committee, Work Hardening Standards, Commission on Accreditation of Rehabilitation Facilities, Tucson, AZ  
  
 1989-1995 Loredan Biomedical, West Sacramento, CA  
 1988-1996 Work Evaluation Systems Technology, Fort Bragg, CA  
 1988-1994 Work Recovery Centers, Tucson, AZ  
 1988-1994 Commission on Accreditation of Rehabilitation Facilities Trustee and Member of Standards Committee, Tucson, AZ  
  
 1988-1990 PAR Center, Irvine Medical Center, Irvine, CA  
 1988-1989 American Academy of Orthopaedic Surgeons  
 1988 National Advisory Committee, Work Hardening Standards, Commission on Accreditation of Rehabilitation Facilities, Tucson, AZ  
  
 1986 Teledyne Corporation, City of Industry, CA  
 1986 Sunkist Growers Corporation, Ontario, CA  
 1985-1987 Occucare Health Centers, City of Industry, CA  
 1986 BDP/Carrier Corporation, City of Industry, CA  
 1986 Lithonia Corporation, City of Industry, CA  
 1985 General Dynamics Corporation, Ontario, CA  
 1984-1986 Mutual Amputee Aid Foundation  
 1983-1985 Productivity Rehabilitation Institute, Dallas, TX  
 1983-1985 Mercy Medical Center, Minneapolis, MN  
 1983-1985 Grant Hospital, Chicago, IL  
 1983-1985 Advanced Research Resources Organization, Bethesda, MD  
 1982-1988 Irene Walter Johnson Institute of Rehabilitation, Washington University School of Medicine, St. Louis, MO  
  
 1981-1983 William Beaumont Hospital, Detroit  
 1981 Northrop Corporation  
 1980-1985 Centinela Hospital Medical Center, Inglewood, CA  
 1980 Libbey Glass Company  
 1979-1983 Rehabilitation Research and Training Center On Aging at USC - Rancho Los Amigos Medical Center  
  
 1979-1983 Rancho Los Amigos Medical Center Vocational Services and Rehabilitation Department  
  
 1979-1983 Casa Colina Hospital for Rehabilitative Medicine  
 1979-1982 MEDATA Corporation  
 1979-1981 Downey Community Hospital  
 1979-1980 Weiser Lock/Norris Industries  
 1979-1980 Fremont Indemnity Company  
 1979 United States Steel/USX

1979-1980 American Can Company  
1976-1978 Annenberg School of Communications, USC  
1973-1981 California State Department of Rehabilitation

**12. RESEARCH AND CLINICAL ACTIVITIES**

2008 - Present Logan Chiropractic University, St. Louis. Development of New Methods to Predict Falls in Older Adults. Consultant.

2008 - Present Washington University School of Medicine, St. Louis. Development of Goal Attainment Scaling Methods in Young Adults with Sickle Cell Disease. Consultant.

2008 - Present Washington University School of Medicine, St. Louis. Concurrent Validation of the American Medical Association Method for Measuring Upper Extremity Impairment. Consultant.

2001 - Present Grant. U.S. Spine & Sport Foundation. Development of New Methods to Measure Work Disability. Principal Investigator, Co- Principal Investigator

2003 - 2008 Contract. Metro St. Louis. St. Louis Transit Access Center. Director

1999 Sub-Contract. American Institutes for Research, Washington, DC. Disability Determination: Functional assessment of vocational behavior constructs. Principal Investigator. Funded by the U.S. Social Security Administration.

1998 - 1999 Sub-Contract. American Institutes for Research, Washington, DC. Development of Functional Assessment Measures Database for Disability Determination. Principal Investigator. Funded by the U.S. Social Security Administration.

1998 Sub-Contract. American Institutes for Research, Washington, DC. Synthesis, Integration, and Completion of Research into a New Disability Decision Making Process and Development of an Initial Prototype. Principal Investigator and Functional Assessment Team Leader. Funded by the U.S. Social Security Administration.

**13. CLINICAL TITLES AND RESPONSIBILITIES**

2007-Present Consulting Psychologist, Center for Head Injury Services

2005-2007 Consulting Psychologist & Vocational Evaluator  
Occupational Performance Center  
Rehabilitation Institute of St. Louis  
Washington University School of Medicine

2003-2005 Director, St. Louis Transit Access Center

Washington University School of Medicine

2001-2005 Psychologist & Vocational Evaluator  
Director, Occupational Performance Center  
Rehabilitation Institute of St. Louis  
Washington University School of Medicine

1995-2002 Psychologist & Vocational Evaluator  
Director, Work Performance Clinical Laboratory  
Washington University School of Medicine

**14. TEACHING TITLE AND RESPONSIBILITIES**

Innovative OT Practice Models. Spring, 2002 - 2005.  
Applied OT Practice Skills. Spring, 2002 - 2005.  
Core Skills in OT/Communication. Fall, 2000 - 2004.  
Occupational Performance Assessment. Spring, 2000 - 2004.  
Functional Assessment. Spring, 1997 - 1999.  
Advanced Concepts of Measurement. Fall, 1996 & 1997.  
Policy Seminar. Spring, 1997 & 1998.  
Evaluating & Optimizing Work Environment. Fall, 1996.  
Principles and Perspectives in Occupational Health and Ergonomics. Fall, 1995.  
Evaluating Worker Performance. Spring, 1996.  
Supervision of masters and doctoral projects.  
Guest lecturer in Occupational Therapy curriculum.

**Doctoral Seminar Project Students and Topics**

**2006 Graduates**

Matthew Dodson	Assessment of Return to Work Appropriateness for Individuals with Mild Brain Injury: A Pilot Study of a Neuroperformance Measure.
Timothy Wolf	Pilot Study to Validate the Complex Task Performance Assessment with Acquired Brain Injury.

**2004 Graduate**

Benjamin Haynes	A Test to Measure Self-Perceived Ability to Work: Generalized Work Function Questionnaire Development and Reliability Testing.
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**2003 Graduate**

Kelly Chapman	Reliability of sustained performance tests in pre-placement screening for automobile assembly jobs.
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**Masters Seminar Project Students and Topics**

**2005 Graduates**

Jayne R. Eggum	Spinal Cord Injury Driver Readiness Intervention and Exercise Program.
Mark Showers	Spinal Cord Injury Driver Readiness Intervention and Exercise Program.

Cristy Tripp	Expanding Community Practice: The Role of Occupational Therapy in Prison-Based Rehabilitation
Katie Hoffman	Occupational Therapy Type Interventions within Correctional Settings
Sara Brockman	Prison-Based Occupational Rehabilitation: Occupational Deprivation and Incarceration

**2004 Graduates**

Rebecca Siegel	The D.R.I.V.E. Program for persons with high level spinal cord injury: Driver Readiness Intervention and Exercise.
Anne Trujillo	The D.R.I.V.E. Program for persons with high level spinal cord injury: Driver Readiness Intervention and Exercise.
Elizabeth Blevins	The D.R.I.V.E. Program for persons with high level spinal cord injury: Driver Readiness Intervention and Exercise.
Jonah Wetherill	Structured Work Activity Groups as Indicators of Return to Work Readiness for Persons with ABI.

**2003 Graduates**

Rose Dunphy	Traumatic brain injury and return to work prediction: problems with current practices and a new clinical alternative.
Caron Majerczyk	Continuous speech recognition: Usage during hospitalization for person with cervical spinal cord injuries.
Lisa Martin	Evaluating the ability to return to work after brain injury.

**2002 Graduates**

Angie Crites	Refinement and reliability testing of the <i>Feasibility Evaluation Checklist</i> , and development of the <i>Feasibility Evaluation Checklist Examiner's Manual</i> .
Tarah Mannery	Refinement and reliability testing of the <i>Feasibility Evaluation Checklist</i> , and development of the <i>Feasibility Evaluation Checklist Examiner's Manual</i> .
Betsy Hawkins-Chernoff	Development of the <i>Continuous Speech Recognition Clinician's Manual</i> .
Tasha Smith	Development of the <i>Continuous Speech Recognition Clinician's Manual</i> .
Sue Tucker	Development of the <i>Continuous Speech Recognition Clinician's Manual</i> .

**2001 Graduates**

Rebecca Bonner	Integration of self-report, performance, and observation in the functional assessment of handling tasks.
Kelly Chapman	Reliability of sustained performance tests in pre-placement screening for automobile assembly jobs.
Teresa Dirk	Integration of self-report, performance, and observation in the functional assessment of walking, carrying and climbing tasks.

Tawanna Jackson	Cognitive behavioral occupational therapy groups with persons who are chronically disabled due to low back pain.
Kathryn Mize	Efficacy of continuous speech recognition computer technology with persons who have severe dysarthria.
Erin Murakami	Concurrent validity of self-report measures in treatment of low back pain.
Jim Vugteveen	Integration of self-report, performance, and observation in the functional assessment of wheelchair mobility tasks.

**2000 Graduates**

Sharryl Alexander	Relationships between leisure pursuits and hand strength in older adults.
Dawn Brown	Concurrent validity of the Milliken ADL Scale.
Joanna Penny	The effect of diagnosis on functional capacity evaluation and return to work.
Lisa Rogers	Reliability of three measures of upper extremity function.
Carla Walker	Normative study of grip and pinch strength in the older adult population.

**1999 Graduates**

Damon Borelli	Concurrent validity of the Milliken ADL Scale.
Katherine Cummings	Development of the Work Task Sort – Sensory-Perceptual.
Cheryl McDonald	Development of the Work Task Sort – Physical.
Robin Mitan	Development of the Work Task Sort – Cognitive-Intellectual.
Meredith Payne	Development of the Work Task Sort – Interpersonal.
Charles Stapinski	Development of the Work Task Sort – Vocational.

**1998 Graduates**

Gayle Allenback	Pre-employment screening for upper extremity continuous trauma disorders.
Justine Broome	Transitional housing and employment for persons with psychiatric disability.
Jillian Duncan	Stability of occupational goals for persons with psychiatric disability.
Courtney Gehrke	Occupational therapy and employment for adolescents with disabilities.
Stacy Hightower	Occupational therapy and employment for adolescents with disabilities.
Melanie Lorenzo	The identification of affordances of homeless women: A pilot study.
Daniella Mada	Construct validation of the Hand Function Sort.
Melissa Neis	Normative study of grip and pinch strength.
Vaunasha Wallace	Development of the Washington University Employment Feasibility Questionnaire.

**15. BIBLIOGRAPHY**

a. Peer Reviewed Publications

1. Matheson LN. Executive Dysfunction, Severity of Traumatic Brain Injury, and IQ in Disabled Workers. *Work*. Accepted for Publication.
2. Matheson LN, Mayer J, Mooney V, Sarkin A, Dreisinger T, Verna V, Leggett S. A method to provide a more efficient and reliable measure of self-report physical work capacity for patients with spinal pain. *Journal of Occupational Rehabilitation*. Mar 2008, 18(1) p46-57.
3. Wolf T, Morrison MT, Matheson LN. Initial development of a work-related assessment of dysexecutive syndrome: the Complex Task Performance Assessment. *WORK*. 2008, 31(2) p221-8
4. Mayer JM, Mooney V, Matheson LN, Erasala GN, Verna JL, Udermann BE, Leggett S. (2006). Continuous low-level heat wrap therapy for the prevention and treatment of delayed onset muscle soreness of the low back muscles. *Archives of Physical Medicine and Rehabilitation*, 2006;10.
5. Matheson LN, Melhorn MJ, Mayer TG, Theodore BR, Gatchel RJ. (2006). Reliability of a visual analog version of the QuickDASH. *Journal of Bone and Joint Surgery*. 88:1782-1787.
6. Seaton M., Groth G., Matheson L., Feely C. (2005) Reliability and Validity of the Milliken Activities of Daily Living Scale. *Journal of Occupational Rehabilitation*. 15(3), 343-351.
7. Mayer JM, Ralph L, Look M, Erasala GN, Verna JL, Matheson LN, Mooney V. (2005). Treating acute low back pain with continuous low-level heat wrap therapy and/or exercise: a randomized controlled trial. *The Spine J*. 5(4).
8. Mayer JM, Mooney V, Matheson LN, Leggett S, Verna JL, Balourdas G, DeFilippo G. (2005). The reliability and validity of a new computerized pictorial activity and task sort. *Journal of Occupational Rehabilitation*. 15(2):185-95.
9. Matheson, L. (2004). History, design characteristics, and uses of the pictorial activity and task sorts. *Journal of Occupational Rehabilitation*. 14(3), 175-195.
10. Mayer JM, Mooney V, Verna J, Udermann BE, Matheson LN, Dreisinger TE. (2003). Reliability and validity of the Multidimensional Task Ability Profile. *Medicine & Science in Sports & Exercise*. 35(5) Supplement 1:S144, May 2003.

11. Robinson RC. Kishino N. Matheson L. Woods S. Hoffman K. Unterberg J. Pearson C. Adams L. Gatchel RJ. (2003) Improvement in postoperative and nonoperative spinal patients on a self-report measure of disability: the Spinal Function Sort. *Journal of Occupational Rehabilitation*. 13(2):107-113.
12. Matheson, L. (2003). Commentary: Functional outcome in trauma patients with spinal injury. *Spine*. 28(2):105-6.
13. Matheson, L., Leggett, S., Mooney, V., Schneider, K., & Mayer, J. (2002). Contributions of aerobic fitness and back strength to lift capacity. *Spine*, 27(11), 1208-1212.
14. Matheson, L., Rogers LC, Kaskutas V, Dakos M. (2002). Reliability and reactivity of three new functional assessment measures. *Work*, 18, 41-50.
15. Matheson, L., Isernhagen, S., & Hart, D. (2002). Relationship between lifting ability and grip force and return to work. *Physical Therapy*, 82(3), 249-256.
16. Gaudino, E., Matheson, L., & Mael, F. (2001). Development of the Functional Assessment Taxonomy. *Journal of Occupational Rehabilitation*, 11(3), 155-175.
17. Matheson, L. (2001). Disability methodology redesign: Considerations for a new approach to disability determination. *Journal of Occupational Rehabilitation*, 11(3), 135-142.
18. Matheson, L., Kane, M., & Rodbard, D. (2001). Development of new methods to determine work disability in the United States. *Journal of Occupational Rehabilitation*, 11(3), 143-154.
19. Matheson, L., Kaskutas, V., McCowan, S., Shaw, H., & Webb, C. (2001). Development of a database of functional assessment measures related to work disability. *Journal of Occupational Rehabilitation*, 11(3), 177-199.
20. Matheson, L, Kaskutas V, Mada, D. (2001). Development and construct validation of the Hand Function Sort. *Journal of Occupational Rehabilitation*, 11(2), 75-86.
21. Matheson, L., Gaudino, E., Mael, F., & Hesse, B. (2000). Improving the validity of the impairment evaluation process: A proposed theoretic framework. *Journal of Occupational Rehabilitation*, 10(4), 311-320.
22. Leggett, S., Mooney, V., Matheson, L., Nelson, B., Dreisinger, T., Van Zytveld, J., & Vie, L. (1999). Restorative exercise for clinical low back

- pain: A prospective two-center study with 1-year follow-up. *Spine*, 24(9), 889-898.
23. Isernhagen, S., Hart, D., & Matheson, L. (1999). Reliability of independent observer judgments of level of lift effort in a kinesiophysical functional capacity evaluation. *Work*, 12, 145-150.
  24. Matheson, L., Bohr, P., & Hart, D. (1998). Use of maximum voluntary effort grip strength testing to identify symptom magnification syndrome in persons with low back pain. *Journal of Back and Musculoskeletal Rehabilitation*, 10, 125-135.
  25. Matheson, L., & Brophy, R. (1997). Aggressive early intervention after occupational back injury. *Journal of Occupational Rehabilitation*, 7(2), 107-117.
  26. Wolf, L., Matheson, L., Ford, D., & Kwak, A. (1996). Relationship among grip strength, work capacity, and recovery. *Journal of Occupational Rehabilitation*, 6(1), 57-70.
  27. Matheson, L., Mooney, V., Grant, J., Leggett, S., & Kenny, K. (1996). Standardized evaluation of work capacity. *Journal of Back and Musculoskeletal Rehabilitation*, 6, 249-264.
  28. Matheson, L. (1996). Relationships among age, body weight, resting heart rate, and performance in a new test of lift capacity. *Journal of Occupational Rehabilitation*, 6, 225-237.
  29. Matheson, L., Mooney, V., Holmes, D., Leggett, M., Grant, J., Negri, S., & Holmes, B. (1995). A test to measure lift capacity of physically impaired adults. Part 2 Reactivity in a patient sample. *Spine*, 20, 2130-2134.
  30. Matheson, L., Mooney, V., Grant, J., Affleck, M., Hall, H., Melles, T., Lichter, R., & McIntosh, G. (1995). A test to measure lift capacity of physically impaired adults. Part 1 Development and reliability testing. *Spine*, 20, 2119-2129.
  31. Matheson, L., Brophy, R., Vaughan, K., Nunez, C., & Saccoman, K. (1995). Workers' compensation managed care: Preliminary findings. *Journal of Occupational Rehabilitation*, 5(1), 27-36.
  32. Matheson, L. (1994a). Functional goal setting: Foundation of the rehabilitation relationship. *American Pain Society Journal*, 3(2), 111-114.
  33. Matheson, L. (1994b). Basic requirements for utility in the assessment of physical disability. *American Pain Society Journal*, 3(3), 193-199.

34. Matheson, L. (1993). Work hardening. *Journal of Musculoskeletal Medicine*(Sept), 53-63.
35. Matheson, L., Danner, R., Grant, J., & Mooney, V. (1993). Effect of computerized instructions on measurement of lift capacity: Safety, reliability, and validity. *Journal of Occupational Rehabilitation*, 3(2), 65-81.
36. Matheson, L., Matheson, M., & Grant, J. (1993). Development of a measure of perceived functional ability. *Journal of Occupational Rehabilitation*, 3(1), 15-30.
37. Hart, D., Isernhagen, S., & Matheson, L. (1993). Guidelines for functional capacity evaluation of people with medical conditions. *JOSPT*, 18(6), 682-686.
38. Hart, D., Isernhagen, S., & Matheson, L. (1993). Refining the practice of ergonomics. *WORK*, 3(3 (Sum)), 69-72.
39. Matheson, L., Mangseth, G., Segal, J., Grant, J., Comisso, K., & Westing, S. (1992). Validity and reliability of a new device to simulate upper extremity work demands. *Journal of Occupational Rehabilitation*, 2(3), 109-122.
40. Matheson, L., Mooney, V., Caiozzo, V., Jarvis, G., Pottinger, J., DeBerry, C., Backlund, K., Klein, K., & Antoni, J. (1992). Effect of instructions on isokinetic trunk strength testing variability, reliability, absolute value, and predictive validity. *Spine*, 17(8), 914-921.
41. Matheson, L. (1991). Symptom magnification syndrome structured interview: Rationale and procedure. *Journal of Occupational Rehabilitation*, 1(1), 43-56.
42. Alpert, J., Matheson, L., Beam, W., & Mooney, V. (1991). The reliability and validity of two new tests of maximum lifting capacity. *Journal of Occupational Rehabilitation*, 1(1), 13-29.
43. Matheson LN. (1990). Rehabilitating the injured worker: opportunities and pitfalls. *Journal of Ambulatory Care Marketing*. 4(1):39-47.
44. Matheson, L. (1988). Integrated work hardening in vocational rehabilitation: An emerging model. *Vocational Evaluation and Work Adjustment Bulletin*, 22(2), 71-76.
45. Matheson, L. (1986). Evaluation of lifting and lowering capacity. *Vocational Evaluation and Work Adjustment Bulletin*, 19(4), 107-111.

46. Matheson, L., Ogden, L., Violette, K., & Schultz, K. (1985). Work hardening: Occupational therapy in industrial rehabilitation. *American Journal of Occupational Therapy*, 39(5), 314-321.
47. Matheson, L., Selvester, R., & Rice, H. (1975). The interdisciplinary team in cardiac rehabilitation. *Rehabilitation Literature*, 36(12), 366-376.

b. Invited Publications

1. Dodson, M., Matheson, L. (2007). The effects of brain injury on worker competence. *Occupational Therapy Practice*, 12(7), CE1-7.
2. Hanson, M., Matheson, L. (2007). The O\*NET Occupational Information System. In B. Bolton (Ed.), *Handbook of measurement and evaluation in rehabilitation* (4th ed). Gaithersburg, MD: Aspen Publishers.
3. Matheson, L. (2003). The functional capacity evaluation. In G. Andersson & S. Demeter & G. Smith (Eds.), *Disability Evaluation*. 2<sup>nd</sup> Edition. Chicago, IL: Mosby Yearbook.
4. Matheson, L., Mooney, V. (2002). Pre-Placement Screening. In C. Liebenson (Ed.), *Rehabilitation of the spine: A practitioner's manual*. 2<sup>nd</sup> Edition. Baltimore, MD: Lippincott Williams & Wilkins.
5. Matheson, L., (2001). Measuring work performance from an occupational performance perspective. In M. Law & C. Baum & W. Dunn (Eds.), *Measuring Occupational Performance* (pp. 103-120). Thorofare, NJ: Slack.
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c. Test Equipment and Test Procedures

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d. Selected Invited Presentations

1. Matheson L, Sarkin A, Mayer J, Mooney V, Verna J, Leggett S. Calibration Of The Difficulty Of Work Activities And Activities Of Daily Living For Patients With Spinal Pain. E-poster presentation at the North American Spine Society, Austin TX, September 2007.
2. Matheson LN. Stewardship: Rehabilitation for the 21st Century (Keynote). Rhode Island Workers' Compensation Annual Conference. Providence, Rhode Island. November 2, 2006.
3. Matheson LN. Using FCE to Minimize Your Exposure to Symptom Magnification Syndrome. SEAK National Worker's Compensation & Occupational Medicine Conference. July 18, 2006.
4. Mooney V, Mayer JM, Verna JL, Matheson LN. Improvements in self-reported functional ability following an exercise program for spinal disorders. Podium presentation at North American Spine Society Conference, Philadelphia, October 2005.
5. Mayer JM, Mooney V, Verna JL, Matheson LN. How do you know when a patient is better? Poster presentation at the North American Spine Society Annual Meeting, Seattle, WA, September 2006.
6. Matheson LN. Chronic Pain and Disability in Return to Work Venues. Ryan Associates National Web Seminar, August 9, 2005
7. Matheson LN, Kaskutas V, Seaton M. SWAG: Using Graded Work Tasks in Occupational Therapy Treatment. Program in Occupational Therapy, Washington University School of Medicine, April 16, 2005.

8. Matheson LN. Functional Capacity Evaluation: Improving Outcomes & Minimizing Risks. Crozer-Chester Medical Center, Pittsburgh PA, October 27, 2004.
9. Matheson LN. Symptom Magnification Syndrome. Midwest States Occupational Medicine Physicians Annual Meeting, St. Louis. September 10, 2004.
10. Matheson LN. Vocational Implications of Brain Injury. West Virginia Brain Injury Association Annual Seminar, Morgantown, WV, April 23, 2004.
11. Matheson LN, Kaskutas V, Seaton M, Baum C. Work Rehabilitation for Occupational Therapists: Part 1 - Basic Assessment. WebEx Distance-Based Educational Programming, August 7, 2003.
12. Matheson LN, Kaskutas V, Seaton M. Work Rehabilitation for Occupational Therapists: Part 2 - Advanced Assessment and Intervention. WebEx Distance-Based Educational Programming, August 28, 2003.
13. Matheson LN. Evaluation of Self-Report Assessment of Function. Ergonomics & Musculoskeletal Disorders Conference. Berkeley, CA, December 13, 2002.
14. Matheson LN. Measurement of Disability: Documentation of Benefit. US Annual Spine & Sport Symposium. La Jolla, CA, October 26, 2002.
15. Matheson LN. Functional Capacity Evaluation for Return to Work after Minimally Invasive Spinal Surgery. World Congress Minimally Invasive Spinal Medicine and Surgery. Las Vegas, NV, December 2001.
16. Matheson LN. An Evolving Model of Work Disability Assessment. Association of Designated Assessment Centres Annual Conference. Toronto, ONT, CAN, November 2000.
17. Matheson LN. Effort Evaluation in Disability Assessment. Association of Designated Assessment Centres Annual Conference. Toronto, ONT, CAN, November 2000.
18. Matheson LN. How can you measure functional capacity? US Annual Spine & Sport Symposium. San Diego, CA, July 2000.
19. Matheson LN. Getting Employed and Staying Employed. Living with Disability: Exploring the Aging Process Conference. San Diego, CA, February 1998.

20. Matheson LN. Early Return to the Workplace. Seventeenth Annual Occupational Spinal Disorders Conference. Calgary, Alberta, Canada, September 1996.
21. Matheson LN. Effect of Cultural Barriers on Treatment. Seventeenth Annual Occupational Spinal Disorders Conference. Calgary, Alberta, Canada, September 1996.
22. Matheson LN. Objective Measurement of Illness Behavior. McKenzie International Annual Conference. San Diego, CA, July 1996.
23. Matheson LN. Meeting Employers' Needs: Matching Injured Worker Performance to Job Demands. St. Louis, MO, March 1996.
24. Matheson LN. The Importance of Returning to Work with Pain. Sixteenth Annual Occupational Spinal Disorders Conference. Toronto, Ontario, Canada, September 1995.
25. Matheson LN. Objective measurement of soft tissue injuries. Spine and Strength Symposium, University of California San Diego, San Diego, CA, July, 1995.
26. Matheson, LN. Standardized disability rating and functional self-perception. American Academy of Disability Evaluation Physicians. Las Vegas, Nevada, February, 1995.
27. Matheson, LN. Symptom Magnification Syndrome. American Academy of Disability Evaluation Physicians Annual Scientific Conference. Orlando, Florida, November, 1994.
28. Matheson, LN. Tools for Managed Care. Fifteenth Annual Occupational Spinal Disorders Conference. Atlanta, Georgia, September, 1994.
29. Matheson, LN. Functional Capacity Evaluation. Fifteenth Annual Occupational Spinal Disorders Conference. Atlanta, Georgia, September, 1994.
30. Matheson, LN. Job Analysis. American Academy of Physical Medicine and Rehabilitation National Conference. Anaheim, California, October, 1994.
31. Matheson, LN. Evaluation of work performance and effort using vocational measures. The Sports Medicine Approach to Spinal Disorders in the Workplace. Pittsburgh, Pennsylvania, October, 1993.

32. Matheson, LN. Effort assessment in quantitative testing. Occupational Spinal Disorders: Primary, Secondary and Tertiary Care & Prevention, PRIDE Research Foundation, Dallas, TX, October, 1992.
33. Matheson, LN. Job matching and vocational options after medical rehabilitation. Occupational Spinal Disorders: Primary, Secondary and Tertiary Care & Prevention, PRIDE Research Foundation, Dallas, TX, October, 1992.
34. Matheson, LN. Why people don't go back to work. Spine and Strength Symposium, University of California San Diego, San Diego, CA, July, 1992.
35. Matheson, LN. Functional lifting correlates. Spine and Strength Symposium, University of California San Diego, San Diego, CA, July, 1992.
36. Matheson, LN. Upper extremity functional capacity evaluation. Second International Isokinetic Seminar, Milan, Italy, April, 1992.
37. Matheson, LN. New approaches to the prediction and evaluation of lifting capacities. Second International Isokinetic Seminar, Milan, Italy, April, 1992.
38. Matheson, LN. Evaluation, motivation & commitment. American Board of Vocational Experts Annual Conference, San Diego, CA, March, 1992.
39. Matheson, LN. Early conservative treatment. Occupational Spinal Disorders: Prevention, Diagnosis & Treatment, Chicago, September, 1991.
40. Matheson, LN. Functional restoration and work return. Occupational Spinal Disorders: Prevention, Diagnosis & Treatment, Chicago, September, 1991.
41. Matheson, LN. Job matching and vocational rehabilitation options after medical rehabilitation. Occupational Spinal Disorders: Prevention, Diagnosis & Treatment, Chicago, September, 1991.
42. Matheson, LN. Effort assessment during functional testing. Occupational Spinal Disorders: Prevention, Diagnosis & Treatment, Chicago, September, 1991.
43. Matheson, LN. Symptom magnification syndrome: Effective management of the difficult client. Kessler Institute for Rehabilitation, West Orange, NJ, July, 1990.

44. Matheson, LN. The use of measurement in dealing with governmental agencies for disability. Tools for Assessment and Treatment of Occupational Soft Tissue Injuries. American Academy of Orthopaedic Surgeons, Newport Beach, California, March, 1990.
45. Matheson, LN. Measuring predictors of manual function. Tools for Assessment and Treatment of Occupational Soft Tissue Injuries. American Academy of Orthopaedic Surgeons, Newport Beach, California, March, 1990.
46. Matheson, LN. Work feasibility and its identification. Advanced Concepts for Industrial Spine Care: Sports Medicine for Working People. PRIDE Research Foundation and St. Paul Medical Center, Dallas, Texas, September 1989.
47. Matheson, LN. Employment options for spinal cord injured people. American Association of Spinal Cord Injury Nurses Annual Conference, Las Vegas, NV, September 1988.
48. Matheson, LN. Work capacity evaluation and the arthritic patient. Arthritis Health Professionals Association, 1985.
49. Matheson, LN. Work capacity evaluation of injured workers. International Personnel Management Association Assessment Council, 1984.
50. Matheson, LN. Evaluation of the work capacity of injured employees. American Occupational Medical Association, April 1979.