# Maximizing Motor Learning:

Neurology, Geriatrics, Orthopedics - *the course that your patients cannot afford for you to miss!*

Fredag den 4. Maj 2018
Rigshospitalet Glostrup,
Valdemar Hansensvej 1, Indg. 3,
Audtorie A,
2600 Glostrup

## Program:

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| Kl. 9.00 | Sign in |
| Kl. 9.10 | The physiology of attention and learning, including pathophysiologies of: AD, MCI, PD, stroke, concussion, and TBI |
| Kl. 10.10 | Evidence-based learning for normal and impaired subjects/patients |
| Kl. 10.40 | The relevance of dual task tolerance: fall risk, ADL automaticity, attention reserve. |
| Kl. 11.40 | The physiology of dual task tolerance in the brain |
| Kl. 12.10 | Lunch |
| Kl. 13.00 | Dual task testing across each of the professions |
| Kl. 13.40 | Dual task training across each of the professions |
| Kl. 14.20 | Measurement and documentation for skilled therapy in PT, OT, or SLP |
| Kl. 14.50 | Applications in: communication, ADL, mobility, fall prevention and automaticity |
| Kl. 15.20 | The future of treatment: Technological advances in gait analysis and fall prevention |
| Kl. 15.50 | Questions and summative comments |
| Kl. 16.10 | End |

## Maximizing Motor Learning:

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**COURSE DESCRIPTION**: In this full-day course, we will not only explore but also CLINICALLY APPLY The latest evidence in motor learning as related to feedback, motivation, attention, task development, practice and intensity. Regardless of your profession: PT, OT or SLP. Regardless of your subspecialty. Neurology, Geriatrics, Sports or Orthopedics – please come prepared by completing the 1 page reading and bring your “A” game. We are going to challenge and potentially overhaul your pre-conceived notions og how to maximize motor learning. You can expect to walk away with pratical techniques applying to your patient engangement AND the full understandingof how to optimize motor learning for every person on your caseload. Di you KNOW how to create THE most active, engaged, attentive and informed learner in each person you touch? If not, why not?

**LEARNING OBJECTIVES**: Upon completion of this course, you will be able to:

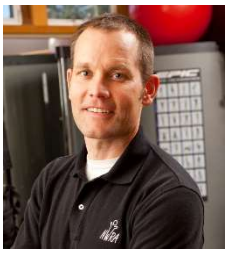
1. Optimize learning using evidence-based principles of motor learning, attention, and motivation.
2. Name the three main principles used in OPTIMAL
3. Indentify two practical clinical applications for each of the three principles of OPTIMAL
4. Create an individualized and meaningful learning environment for each person

**KEYWORDS**: Motor learning, OPTIMAL, attention, intrinsic motivation

**Session Outline:**

- Evidence-based learning for normal and impaired subjects/patients
- Enhanced Expectancies: Creating an environment of success and priming
- Autonomous Support: Facilitating and maximizing attention, confidence and interest
- External Feedback: Improving the permanence of learning through goal-directed behavior

- Documentation in a manner that will demonstrate skilled therapy and justify reimbursement for fall prevention andimbalance
- Case Studies
- The future of treatment: OPTIMAL-based learning advances in the clinic
- Questions and summative comments



## Mike Studer, PT, MHS, NCS

Mike received his physical therapy degree from the University of Missouri-Columbia and his post-professional MHS degree in physical therapy with neurologic emphasis from the University of Indianapolis. Mike is recent past Chair of the Geriatric Section's Balance and Falls Special Interest Group and is now the Vice-Chair of the same group for the Neurology Section of the APTA. He has served as a two-term vice-president of the Neurology Section of the APTA and has been board-certified as a Clinical Specialist in Neurologic Physical Therapy since 1995.
Mike recently earned the Certified Exercise Expert in the Aging Adult (CEEAA) designation by the Geriatric Section of the APTA. Mr. Studer is a full-time treating therapist at and founder of Northwest Rehabilitation Associates, in Oregon. Having presented courses on cognitive processing in mobility and ADLs since 1995, Mike has additionally published over 19 articles on the subjects of balance, stroke, cognition, and geriatric rehabilitation, including such manuscripts as PT Journal, the Journal of Neurologic Physical Therapy and Topics in Geriatric Rehabilitation.
He has been a guest lecturer at multiple state and national conventions as well as universities, presenting multiple times on an international basis. In 2011, Mike received the Neurology Section Clinician of the Year – a national award from the American Physical Therapy Association. In 2014, he received the same award from the Geriatric Section of the APTA – making him the only clinician to have received these awards from two different sections on a national level.

## Registration:

Ved tilmelding indsend venligst navn, arbejdssted og EAN nr. pr. e-mail. Tilmeldingen er bindende og betaling opkræves ved tilmelding dkk. 1.000,00 inkl. forplejning pr. person. Begge dage dkk. 1.600,00 inkl. forplejning. Vi gør venligst påmærksom på at alt undervisning foregår på engelsk.

**Mobility Research Danmark** er et firma med stor viden og erfaring indenfor rehabilitering. En af vores vigtigste opgave er at videreformidle den nyeste teknologi og forskning indenfor området. Vi er et team af klinikker, forskere, pædagoger og ingeniører dedikeret til at levere produkter, uddannelse og rehabiliteringsløsninger til børne -og voksenområdet med nedsat motoriske funktioner.

I er meget velkomne til at kontakte os pr. tlf: 8680 1807 for mere information eller via e-mail; info@mobilityresearch.dk se mere på vores hjemmeside www.mobilityresearch.dk.

Med venlig hilsen

*Mobility Research Danmark ApS*