

Related publications with APT members involved:

- Langeland, L. B. L., Salvesen, Ø., Selle, H., Carlsen, S. M., and Fougner, K. J., "Short-term continuous glucose monitoring: effects on glucose and treatment satisfaction in patients with type 1 diabetes mellitus; a randomized controlled trial", *International Journal of Clinical Practice*, vol. 66, no. 8, pp. 741–747, 2012.
- Fougner, A., Stavadahl, Ø., and Kyberd, P. J., "[System Training and Assessment in Simultaneous Proportional Myoelectric Prosthesis Control](#)", *Journal of NeuroEngineering and Rehabilitation*, vol. 11, no. 75, April 2014.
- Fougner, A., Stavadahl, Ø., Kyberd, P. J., Losier, Y. G., and Parker, P. A., "[Control of Upper Limb Prostheses: Terminology and Proportional Myoelectric Control — A Review](#)", *IEEE Transactions on Neural Systems and Rehabilitation Engineering*, vol. 20, no. 5, pp. 663–677, September 2012.
- Fougner, A., Scheme, E., Chan, A. D. C., Englehart, K., and Stavadahl, Ø., "[Resolving the Limb Position Effect in Myoelectric Pattern Recognition](#)", *IEEE Transactions on Neural Systems and Rehabilitation Engineering*, vol.19, no.6, pp. 644–651, December 2011.
- Stahl, A., Schellewald, C., Stavadahl, Ø., Aamo, O. M., Adde, L., and Kirkerød, H., "An Optical Flow-Based Method to Predict Infantile Cerebral Palsy", *IEEE Transactions on Neural Systems and Rehabilitation Engineering*, vol. 20, no. 4, pp. 605–614, 2012.
- Woodhouse, A., Stavadahl, Ø., and Vasseljen, O., "Irregular head movement patterns in whiplash patients during a trajectory task", *Experimental Brain Research*, vol. 201, no. 2, pp. 261–270, 2010.
- Ottermo, M. V., Stavadahl, Ø., and Johansen, T. A., "A remote palpation instrument for laparoscopic surgery: Design and performance", *Minimally invasive therapy & allied technologies (MITAT)*, vol. 1, pp. 1–14, 2009.
- Stavadahl, Ø., Bondhus, A. K., Pettersen, K. Y., and Malvig, K. E., "Optimal statistical operators for 3- dimensional rotational data: Geometric interpretations and application to prosthesis kinematics", *Robotica*, vol. 23, pp. 283–292, 2005.
- Zinck, A., Stavadahl, Ø., Biden, E., and Kyberd, P. J., "Design of a compact, reconfigurable, prosthetic wrist". *Applied Bionics and Biomechanics* 2012 ;Volum 9.(1) pp. 117- 124.
- Hill, W., Kyberd, P. J., Hermansson, L. N., Hubbard, S., Stavadahl, Ø., Swanson, S., "Upper Limb Prosthetic Outcome Measures (ULPOM): A Working Group and Their Findings". *Journal of Prosthetics and Orthotics*, vol. 21. pp. P69–P82, 2009.
- Hill, W., Stavadahl, Ø., Hermansson, L., Kyberd, P. J., Swanson, S., and Hubbard, S., "Functional Outcomes in the WHO-ICF Model: Establishment of the Upper Limb Prosthetic Outcome Measures Group", *Journal of Prosthetics and Orthotics*, vol. 21, no. 2, pp. 115–119, 2009.
- Berge, P., Adde, L., Espinosa, G., and Stavadahl, Ø., "ENIGMA - Enhanced Interactive General Movement Assessment", *Expert systems with applications*, vol. 34, no. 4, pp. 2664–2672, 2008.
- Ottermo, M. V., Stavadahl, Ø., and Johansen, T. A., "Design and Performance of a Prototype Tactile Display for Minimally Invasive Surgery". *Haptics-e*; vol. 4, 2008.
- Ottermo, M. V., Øvstedal, M., Langø, T., Stavadahl, Ø., Yavuz, Y., Johansen, T. A., and Mårvik, R., "The role of tactile feedback in laparoscopic surgery", *Surgical laparoscopy*,

- endoscopy & percutaneous techniques*, vol. 16, no. 6, pp. 390–400, 2006.
- Mårvik, R., Nesbakken, R., Langø, T., Yavuz, Y., Bjelland, H. V., Ottermo, M. V., and Stavadahl, Ø., "Ergonomic design criteria for a novel laparoscopic tool handle with tactile feedback", *Minerva Chirurgica*, vol. 61, no. 5, pp. 435–444, 2006.
 - Svaasand, L. O. and Ellingsen, R., "Optical penetration in human intracranial tumors", *Photochem. Photobiol.*, vol. 41, pp. 73–76, 1985.
 - Svaasand, L. O. and Ellingsen, R., "Optical properties of human brain", *Photochem. Photobiol.*, vol. 38, 293–299, 1983.

Some related patents by APT members:

- Optical sensing of measurands (US 7,440,110 B2, Oct. 21 2008).
Assignee: GlucoSet
Inventors: A. Berg, A. Bjørkøy, R. Ellingsen, B. Falch, D. R. Hjelme and D. Östling.
Invention description: An interferometric chemical sensing probe based on chemically responsive sensing material exhibiting volume change in the presence of a given chemical. This describes the basic sensor concept of the Invivosense sensor platform.
- Fabrication of Optical Sensing Probes (US 7,616,844; Nov. 10, 2009).
Assignee: GlucoSet
Inventors: D.R. Hjelme, O. Aune, B. Falch, D. Östling and R. Ellingsen.
Invention description: This invention relates to the fabrication of interferometric fibre optic probes employing hydrogel sensor material that is responsive to an analyte; and to probes produced thereby. This describes a method of fabrication of the Invivosense biosensor.
- Dome-shaped Fabry-Perot Probes (CIP US 7,602,498, Oct.13, 2009)
Assignee: GlucoSet
Inventors: D.R. Hjelme, A. Berg, R. Ellingsen, B. Falch, A. Bjørkøy and D. Östling.
Invention description: This invention describes a dome-shaped chemical sensing probe as the sensor concept of the Invivosense sensor with recent innovations.