

## **CROSSROADS IN PSYCHOLOGY**

### **A SEMINAR ON INTERDISCIPLINARY PSYCHOLOGICAL RESEARCH**

**This seminar presents various perspectives on psychological research and collaboration with organizations and the industry. It offers an insight how clinical psychology and a bio-psycho-social perspective can be applied in improvement areas in products, services, health and in organizations. The participating researchers derives from various fields such as neuroscience, engineering, organizational and clinical psychology.**

#### **MAX RAPP-RICCIARDI**

Max Rapp-Ricciardi is an associate professor in organizational psychology at Gothenburg University. He is also a licensed clinical psychologist and a Bachelor of Science in Informatics. He has an extensive experience within the academia in interdisciplinary research, and has a long experiences in several academic institutions such as KTH – the Royal Institute of Technology in Stockholm, Chalmers University of Technology – Gothenburg, Oslo School of Entrepreneurship, Norway, Swedish Defense University, Università di Cagliari and La Sapienza, Università di Roma. Moreover he has an extensive practical experience training leaders and management teams in his role as a Principal consultant and Senior advisor and consultant in a series of multinational companies such as Ericson, Volvo Car Corporation, SKF as well as the pharmaceutical industry. Max's special interest lies in Organizational Change processes, Group and team development, Coaching Psychology and the Dark side of leadership.

#### **Medical leadership in clinical settings from a psychological perspective during the era of Covid-19**

Improving quality in health care organizations is a multifaceted endeavor which combines the development of clinicians as well as the healthcare organization per se. The presentation will give an in-dept perspective on how Sahlgrenska University hospital in Gothenburg provide training to medical leaders in order to gain “ambidexterity” that is a capability that not only builds on clinical competencies but organizational competencies as well. The study provides a perspective on what motivates you clinicians to take a step forward in order to become leaders in health care settings and how this motivation has been influenced during the era of Covid-19.

#### **HANNANEH YAZDI**

Hannaneh Yazdi is an experience project leader driven by adding value and challenging the borderline towards achieving more futuristic outcomes. she takes pride in stepping in medical science after being majored in industrial engineering and international project manager. Her passion about human cognition and perception is what drives her to take new challenges. In action to her primary working experience in R&D program office, product development, product life cycle and organizational transformation, Hannaneh has been recognized to be the first industrial PhD candidate inside Volvo Cars PhD program to great interdisciplinary research in collaboration with the pioneer medical university in Sweden, Karolinska Institutet, at clinical neuroscience department. She is also advocate of Cognitive Diversity and Female Leaders community of Practice at Volvo Cars.

## **Physiological and Subjective Correlates of Frustration in Driving**

Have you been in rush while driving to reach your important appointment on certain time and all the possible blockages come on your way and you become late for your appointment; the traffic light stuck on red color, an accident creates an unexpected traffic jam and a bicycle in front of you does not pay attention to give you a way? At the end, after passing all these situations, you reach your destination and you realized there is no parking place! How do you feel in this typical situation? Perhaps, it is frustrative for you as well. In this research we are investigating an interdisciplinary project to explore new method to evaluation of human interaction and advance technology; particularly, the potential for measuring physiological brain indicators of experienced frustration and flow by using biometrics measurement and fMRI techniques as markers for interaction pain points.

### **TREVOR ARCHER**

Born: 25<sup>th</sup> October 1949 (St.Crispin's & St.Crispinian's day). At 7 years-of-age, I was sent to St. Joseph's College (school), North Point, Darjeeling, and from 15-17 years I attended Wallington Grammar School, Wallington, Surrey, UK. During this latter period, I was part-time (2 days/week) stable lad, Epsom, Surrey (Paul Smythe, racehorse trainer). With six 'O'-levels, I was offered a position at the Institute of Animal Physiology, Babraham, UK (1967), and took my OND and HND qualifications at Cambridgeshire Polytechnical College, Cambridge, UK (1971). Thereafter, I obtained an Honour's degree (BSc, Psychology and Physiology) at Newcastle-upon-Tyne University (1974), and a PhD, Uppsala University, Uppsala, Sweden (1979). From 1978 (Aug) to 1988 (Dec), I was employed by Astra Läkemedel AB with the position of Head of Neuropharmacology Section and CNS Drugs when I left (1988) to take up my appointment as Professor and Chair of Biological Psychology, University of Gothenburg. I have held the position of Guest or Visiting Professor at: University of Hawaii at Manoa (1994), Örebro University (1996-2006), Karlstad University (2000-2004), Kalmar University (2003-2013), Madrid University (1991-2009), Sapienza University, Rome (2013-2019) and received an Outstanding Lifetime Achievement Award from St. Joseph's College, North Point (October, 2010); Honorary Doctorship, Professorship and Membership Awards from the Polish Academy of Science Pharmacological Society (May, 2013); and the Sansone Award (April, 2014): School of Medicine, Washington University, St. Louis, Missouri. Dr. Waymans Mullin Award (Best Journal Article, with AC Andersson et al.), Society for Police and Criminal Psychology (2018), H-index is currently 49, with over 7880 citations, Senior professor at Gothenburg university since 30<sup>th</sup> October 2016 until 30<sup>th</sup> March 2020.

### **Exercise for Neurohealth and Longevity: Hormesis**

The strains and efforts of regular physical exercise are ubiquitously and non-invasively associated with safeguarding health, both psychologically and somatically, at several different levels, behavioral, organic and cellular. Cognitive, emotional and motivational benefits are manifested through assets derived from brain regional, hormonal, neurotransmitter and trophic factor augmentation. Progression in immune system functioning and protection-regeneration in the brain and CNS both retard eventual disorder liability and the ageing process. Not

least, the presence of hormetic mechanisms in mediating the salubrious effects of exercise serve to underline the necessity of considering adaptive processes in all neurobehavioral phenomena.

### **JOHANNA WIDH**

Johanna Widh is a licensed psychologist who has earlier work experience in the work- and organizational psychology field, for example working with rehabilitation at the Swedish Public Employment Services, where she both conducted therapies, supervision, and training of other employees. Her specialist interest in how employers can empower employees and use them to facilitate change initiatives during important organizational changes in the health care organization is what led her to take on her recent PhD project in collaboration with the psychology department at Gothenburg University, Sahlgrenska University Hospital, and Institute for Management and Innovation in Technology in Gothenburg. She is also a teacher in organizational psychology at Gothenburg University.

### **Empowering employees to facilitate change: challenges and benefits of using change agents in the health care organization**

The whirlwind of changes that organizations must undergo to meet challenges such as saving and demands or technological advancements has not spared the health care organization. The need for readily applicable change programs with the ability to succeed is huge within healthcare, both in Sweden and overseas. However – and which might come to nobody's surprise -, there are no magic bullets regarding interventions that aim to improve health care organizational performance. In this research, we investigate the role of change agents in a longitudinal change project in Swedish health care and examine if the health care organization can make use of driven, motivated employees to facilitate change initiatives. Our field research highlights some of the challenges that these change agents meet, but also the promising positive effects that can come out of empowering employees to take on new responsibilities regarding managing change.