



3rd CWO Poster Session

Commission for Scientific Research (CWO)

Royal Military Academy

Technical program

23 May 2018 – 1330 Hr - 1530 Hr – Room: VIP 2

	Poster title	Authors
1	Quantum key recycling schemes	H. Bruyninckx, D. Van Heule and Y. Roggeman
2	Study of cryptographic techniques with focus on symmetric key algorithms and hash functions	A. Neyt, F. Lafitte and H. Bruyninckx
3	Research on digital image steganalysis	D. Borghys and H. Bruyninckx
4	Real-time image registration with region matching	C. Beumier and X. Neyt
5	First attempt at buried target detection using LWIR/SWIR sensors	M. Idrissa and X. Neyt
6	Estimation of chirp parameters in opportunistic bistatic SAR imaging: application to acquisitions from the satellite Sentinel-1A	F. Bettens and X. Neyt
7	A change detection approach for SAR-based agricultural monitoring	M. Stasolla and X. Neyt
8	Online sequential compressed sensing with weighted multiple side information for through the wall imaging	M. Becquaert, E. Cristofani, M. Vandewal, J. Stiens and N. Deligiannis
9	Vulnerability of mid-wave infrared imaging systems to current and future laser weapon threats	G. Lewis, S. Chrétien, C. N. Santos Hackens and M. Vandewal
10	Laser dazzling of electro-optical devices	C. N. Santos, S. Chrétien, L. Merella, G. Lewis and M. Vandewal
11	Passive harbour protection against UAVs	A. Borghgraef, A. Van de Bruane and M. Vandewal
12	Practical one-way time synchronization schemes with experimental evaluation	H. M. Chauadhary and B. Scheers
13	Autonomous indoor/outdoor safety tracking system	R. Lahouli, P. Baeyens and B. Scheers
14	An optimized and integrated design of antennas for the future BEL jamming system	T. Tran and M. Piette
15	Developing an interference-resistant vehicle-mounted wire detector	Y. Yvinec and P. Druyts
16	Detection and identification of chemical warfare using spectropolarimetric imaging	M. Shimoni, R. Haelterman and P. Lodewyckx

17	Multiphase flow modeling for CBRN applications	Y. Nishio, B. Janssens, W. Bosschaerts, K. Limam and J. van Beeck
18	Improving the performance of gas mask filters in the presence of ambient water vapour	L. Fernandez Velasco and P. Lodewyckx
19	Development and testing of a lab-scale test-bench for hybrid rocket motors	M. Bouziane, A.E.M. Bertoldi, P. Milova, P. Hendrick and M. Lefebvre
20	Influence of different components on the sensitivity to impact of TATP and HMTD	L. Jeunieu and M.H. Lefebvre
21	Behaviour of laminated glass under the combined effect of blast wave and the impact of fragments	O. Atoui, D. Lecompte, L. Pyl, J. Vantomme and B. Reymen
22	Reinforced concrete slabs with EBR under blast loading	A. Maazoun, S. Matthys, D. Lecompte and J. Vantomme
23	Improved simulation of a human thorax subjected to ballistic impact	L. Gilson, F. Coghe, L. Rabet and A. Imad
24	Development of two Bullet Simulating Projectiles, one for handgun threats and one for rifle threats	G. Kechagiadakis and F. Coghe
25	RMA non lethal weapon capabilities - Numerical aspects	N. Nsiampa, C. Robbe and A. Papy
26	RMA non lethal weapon capabilities - Experimental aspects	C. Robbe, N. Nsiampa and A. Papy
27	Armoured vehicles subject to mine explosions-an analysis method	D. Kakogiannis and F. Coghe
28	Survivability of combat vehicles and their crew	I. Hermosilla, M. Thys, J. Gallant and Ben Lauwens
29	SIMEDIS 2.0: On the road towards a comprehensive mass casualty medical management simulator	S. Koghee, R. De Rouck, F. Van Utterbeeck, M. Debacker, E. Dhondt and I. Hubloue
30	DY 10: Lessons learned	A. Ferreira Azevedo, A. Miranda-Vicario and F. Coghe
31	DEVEDUC: Fight as you train or train as you fight? Developing and integrating 'deviation education' as an aviation safety tool	F. Detaille, R. Grant, E. Dessy and N. Pattyn
32	PERFOFEEDBACK or the boundaries of the flow	E. Dessy, O. Mairesse, M. Van Puyvelde, F. De kuiper, X. Neyt and N. Pattyn
33	When the "silent killer" starts to talk: the early detection of pre-symptomatic hypoxia through voice stress analysis	M. Van Puyvelde, X. Neyt, E. Dessy, W. Vanderlinden, K. Vicsi and N. Pattyn
34	Making blood available far forward: Walking blood bank	J. Degueldre, E. Dessy, N. Pattyn, V. Deneys and F. T'Sas
35	Human-computer interaction for autonomous underwater target recognition	O. Lopera and Y. Dupont
36	Manning the equipment, or equipping the man? - Emergent forms of Belgian military life: innovation, corporeality and technology	F. Vanderstraeten and D. Resteigne

37	A generic manpower simulation/optimization tool for military manpower planning decisions	J. Van Kerckhoven, O. Mazari-Abdessameud and F. Van Utterbeeck
38	Delphic prophecies: the digital future of talent sourcing in public administration	Ph. Rogiers, S. Viaene and J. Leysen
39	Design of effective performance measurement for defense organizations	J. Soares, G. Letens, N. Vallet, E. Van Aken, H. Keathley and W. Van Bockhaven
40	The deployment of performance measurement systems within the Belgian defense	J. Soares, J. Raemdonck, G. Letens, N. Vallet, E. Van Aken, H. Keathley and W. Van Bockhaven
41	Recent 3-ion species ICRH experiments in JET-ILW	Ye.O. Kazakov, J. Ongena, E. Lerche, D. Van Eester et al.
42	Design and construction of an ICRH-system for the largest stellarator in the world (W7-X)	M. Vergote and J. Ongena
43	The human domain as a grand- and military strategic sense making prism	J. Weuts and N. Pattyn
44	Textural and functional modifications a activated carbons subjected to severe storing conditions	Y. Boutillara, P. Lodewyckx and G. De Weireld
45	The Battlefield Performance of the Belgian Army during the 18 Days' Campaign (10-28 May 1940)	D. Warnier and J.-M. Sterkendries
46	Decellularized Human Dermal Matrices for the Treatment of Burn Patients	J.-P. Draye, T. Rose, M.A. Boone, G. Verween, G. Verbeken, S. De Soir, A. Barbe, P. De Corte, B. Pascual, D. De Vos, S. Jennes and J.-P. Pirnay
47	Phage Therapy Research at the Burn Wound Centre of the Queen Astrid Military Hospital in Brussels	M. Merabishvili, D. De Vos, G. Verbeken, T. Rose, V. Druetz, S. De Roock, P. Soentjens, S. Jennes and J.-P. Pirnay
48	University library of defense	S. Soupart and S. Parys