



**8<sup>th</sup> Annual Conference**  
**Conference Program – draft as of March 6**  
**Subject to change**

***The Ethical Implications of  
Emerging Military Technologies***

**Infantry Academy, Toledo, Spain**

**13–16 May 2018**



**KING'S  
College  
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WESTERN  
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**INAMORI INTERNATIONAL  
CENTER FOR ETHICS  
AND EXCELLENCE**



**Norge Forsvaret  
Feltprestkorps**





**Subject to change**

## Sunday, 13 May 2018

**18:00-19:30**      **Guided tour through the medieval centre of Toledo**      Meeting point Plaza Zocodover, village centre

**19:30**                      **Informal reception**      Hotel King Afonso VI

## Monday, 14 May 2018

Time	Session	Location
08:10 – 08:30	Ecumenical morning prayer (optional)	military chapel
08:30 – 09:00	Registration and Coffee	Academy Main Entrance
<b>09:00 – 10:40</b>	<b>Opening address by Brigadier General Benoit Royal, President of EuroISME</b>	Auditorium
<b>Plenary Session</b>	<b>Words of welcome on behalf of the Infantry Academy by the Commandant, Col. Francisco Javier Marcos Izquierdo</b>	
<b>09:40-10:10</b>	<b>Inaugural address by: H.E. Mr. Marcelino Oreja Aguirre, Honorary President of the Royal Academy of Moral and Political Sciences</b>	
<b>10:10-10:55</b>	<b>Keynote address by Prof.dr Holger Mey (Germany), “Autonomous Systems, Combat Robots, and Artificial Intelligence – Some Ethical Considerations from a Defense Analyst’s and an Industry Perspective”</b>	
	<b>Q &amp; A session</b>	
<b>10:55 – 11:15</b>	Practical announcements, followed by a coffee Break	Adjacent to the auditorium

**Panel 1: Moral questions concerning the deployment of new weaponry (1)**

Chair: Prof.dr. Jovan Babić (Serbia; EuroISME BoD)

- Victor Martin (Spain), “The letter of Future of Life addressed to the UN Secretary General on banning autonomous weapons”
- Prof. dr. Asa Kasher (Israel), “What is essentially human in combat?”
- Mil. Superior MIMag. Stefan Gugerec, (Austria), “Autonomous military technology in ‘Star Trek’”

Class room A

**Panel 2: The enhanced soldier**

Chair: Col. David Barnes (USA; NA ISME BoD)

- Gérard de Boisboissel (France), “How can the human deficiencies be countered on the battlefield?”
- Dr. Renaud Bouvet (France), “The role of the medical officer and human enhancement”
- Dr. Jean-François Caron (Kazakhstan), “The theory of the super-soldier: the morality of capacity increasing technologies in the military”
- Brig.Gen. (ret) Benoit Royal, (France; EuroISME, BoD), “The recruitment and selection of French Army soldiers through the prism of enhancement”

Doctorate room

**Panel 3: Education and training in view of the emerging technologies**

Chair: Col (ret) Prof.dr. Boris N. Kashnikov (Russia)

- Christopher J. Luedtke, PhD (USA) and Lt.Gen. (ret) Christopher D. Miller (USA), “Preparing leaders for complex conflict.”
- Lt.Col. Evaggelia Kiosi (Greece), “Ancient Greek Agos (ἀγός) and the warrior ethos”
- Dr. George Wilkes (UK), “Technology and ethics education for cross-cultural conflict”
- Jesse Kirkpatrick, PhD, (USA), “Emerging technology and virtue: human enhancement and virtuous super soldiers”

Class room B

**Panel 4: The moral and ontological status of AWS**

Chair: Rev. Cdr. (ret) Leif Tore Michelson (Norway; EuroISME BoD)

- Dr. Elke Schwarz (UK), “The (im)possibility of meaningful human control for autonomous/intelligent weapons systems”
- Dr. David Whetham, (UK; EuroISME, BoD) “The free will, artificial intelligence and moral

Class room C

	<ul style="list-style-type: none"> <li>• accountability”</li> <li>• Dr. Michael Robillard (UK), “War in intentional space”</li> <li>• Dr. Suzanne Burri (UK), “Should All Further Development of AWS Be Banned?”</li> <li>• Dr. Michael Skerker (USA), “A contractualist objection to autonomous weapons systems”</li> </ul> <p><b>Panel 5: Fake news, propaganda, PSYOP</b> Chair: Capt. Michaël Dewyn (Belgium)</p> <ul style="list-style-type: none"> <li>• Lt.Col. (ret) Timothy Lupfer (USA), “Fake news in war: a long and depressing history – and it’s now more dangerous in the digital age”</li> <li>• Liezl Groenewald (South Africa), “War without blood: how fake news targeted South Africa’s weakest point”</li> <li>• Dr. Enrique Mas Vayá (Spain), “Propaganda, cyber propaganda and contra-propaganda: instruments, limits and lawfulness”</li> <li>• Dr. Audrone Petrauskaite (Lithuania) &amp; Prof. Eugeniusz Cieslak (Poland), “Ethical dimension of military information operations”</li> </ul> <p style="text-align: right;">Class room D</p>
<b>12:45 – 13:45</b>	Lunch Buffet  officers mess, ground floor
<b>13:45 – 15:15</b> <b>Parallel Sessions</b>	<p><b>Panel 6: Can emerging military technologies be regulated?</b> Chair: Col. James Cook (USA; NA ISME BoD)</p> <ul style="list-style-type: none"> <li>• Dr. Rain Liivoja (Australia), “Regulating Emerging Military Technologies: Is there anything new under the sun?”</li> <li>• Chris Dent (Australia), “Regulating theory and emerging technologies in warfare”</li> <li>• Dr. Richard Schoonhoven (USA; NA ISME BoD), “Cyberwar and Jus in Bello.”</li> </ul> <p><b>Panel 7: Lethal autonomous weapons systems</b> Chair: Kristina Tonn (Germany)</p> <ul style="list-style-type: none"> <li>• Dr. Bernhard Rinke (Germany), “The discussion about lethal autonomous weapons systems in the moral philosophical literature”</li> <li>• Dr. Bernhard Koch (Germany), “Language and seduction. The eroticism of autonomous weapons systems”</li> <li>• Eric Germain, PhD, (France), “Lessons learnt from an 8 years’ experience in the French MoD on prospective ethics applied to AWS”</li> </ul> <p style="text-align: right;">Class room A  Doctorate room</p>

	<p><b>Panel 8: Moral questions concerning the deployment of new weaponry (2)</b>  <i>Chair: Dr. Jean-François Caron (Kazakhstan)</i></p> <ul style="list-style-type: none"> <li>• Lt.Col Bob Underwood (USA), “On the repugnance of killer robots”</li> <li>• Prof.dr. Ed Barrett (USA), “Non-lethal weapons”</li> <li>• Prof.dr. Shannon French (USA, NA ISME BoD), “Code of the Robot: military virtues and artificial intelligence”</li> <li>• Lt.Col. Prof.dr. Carlos Maria Garcia-Guiu Lopez (Spain), Lt.Col. Prof.dr. Antonio Martinez De Baños Carrillo (Spain) and Lt.Col.Prof.dr. Jose Carlos Dias Rouco (Portugal), “Digital competences of military leaders to face future conflicts”</li> </ul> <p><b>Panel 9: critical views of just war theory (1)</b>  <i>Chair: Liezl Groenewald (South Africa)</i></p> <ul style="list-style-type: none"> <li>• Maj. Joe Chapa (USA), “The MQ-9 Reaper and reasons <i>not</i> to kill”</li> <li>• Dr. Shannon Ford, (Australia, APAC ISME BoD), “The moral exceptionalism of military combatancy: the moral reality of war”</li> <li>• Dr. Uwe Steinhoff (Hong Kong), “On the errors of revisionism”</li> <li>• Col. (ret) Prof.dr. Boris N. Kashnikov (Russia), “New technology and humanitarian terrorism”</li> </ul> <p><b>Panel 10: Cyber warfare (1)</b>  <i>Chair: t.b.d.</i></p> <ul style="list-style-type: none"> <li>• Clara Maathuis (The Netherlands), “Disambiguating military (dis)advantage in cyber warfare”</li> <li>• Dr. Rod Thornton (UK) &amp; Marina Miron (Australia), “Deterring Russian cyber warfare: the ethical constraints”</li> <li>• Prof.dr. Patricia Glazebrook (USA), “Military drones under the Trump administration”</li> </ul>	<p>Class room B</p> <p>Class room C</p> <p>Class room D</p> <p>Adjacent to Auditorium</p>
<p><b>15:15 – 15:35</b></p>	<p>Tea Break</p>	
<p><b>15:35 – 16:30</b>  <b>Plenary session</b></p>	<p><b>Keynote address by Mr. Emmanuel Bloch, (Thales Group)</b>  <b><i>Title of speech t.b.d.</i></b>  <b>Q &amp; A session</b></p>	<p>Auditorium</p>

Monday, 14 May 2018 (continued)

18:30 – 19:00	Reception	Hotel King Alfonso VI
19:00 – 22:00	Formal dinner Ceremonial presentation of EuroISME's thesis prize by the Chairman of the jury: Rev. Col. Prof. Dr. Philip McCormack (UK)	Hotel King Alfonso VI

# Tuesday, 15 May 2018

Time	Session	Location
08:10 – 08:30	Ecumenical morning prayer (optional)	military chapel
08:30 – 09:00	Coffee – With book stand of our publisher, Brill/Martinus Nijhoff	Adjacent to Auditorium
<b>09:00 – 09:45</b>	<b>Plenary Session</b>	Auditorium
	<b>Keynote speech by Mr Vincent Bernard, International Committee of the Red Cross "Humanitarian Law and New Technologies: an ICRC perspective"</b>	
	<b>Q &amp; A session</b>	
09:45 – 10:15	Practical announcements, followed by a coffee break – With book stand of our publisher, Brill/Martinus Nijhoff	Adjacent to Auditorium
<b>10:15 – 11:45</b>	<b>Parallel Sessions</b>	Class room A
	<b>Panel 11: Cyber warfare (2)</b> <i>Chair: t.b.d.</i>	
	<ul style="list-style-type: none"> <li>• Rev.dr. Nikki Coleman (Australia), "Terrorism in space. Examining the issues and mitigating the risks"</li> <li>• Dr. Adam Henschke (Australia; APAC ISME BoD), "The internet of Things: Cyber war will take place"</li> <li>• Dr. Veronika Bock (Germany), "The digital front. The internet as a war zone?"</li> </ul>	
	<b>Panel 12: The changing nature of moral responsibility in the light of emerging technologies</b> <i>Chair: Dr. Shannon Ford (Australia; APAC ISME BoD)</i>	Class room B
	<ul style="list-style-type: none"> <li>• Rev. Cmr. (N) Jan-Peter van Bruggen, (The Netherlands) "Does modern warfare require a new morality?"</li> <li>• Rev. Dr. Ken Matende (Canada), "Chaplains and ethical complexities of unmanned combat technology"</li> <li>• Dr. Daniel Blinder (Argentina), "On military power and the technological gap in developing countries"</li> </ul>	
	<b>Panel 13: Moral psychology and modern technology</b> <i>Chair: Dragan Starar (Serbia)</i>	Class room C
	<ul style="list-style-type: none"> <li>• Marissa Kemp (UK), "Unmanned systems in modern warfare: risk and military ethic"</li> <li>• Dr. Mihaly Boda (Hungary; EuroISME BoD), "Courage in the age of high technology"</li> <li>• Col. James Cook (USA; NA ISME BoD), "Like Anio Annie, but now uncanny"</li> <li>• Dr. Zippi Gushpantz (Israel), "Elite units – leadership, cohesion and ethical issues"</li> </ul>	

	<p><b>Panel 14: iPRAW, international Panel on the Regulation of Autonomous Weapons</b>  <i>Chair: Dr. Uwe Steinhoff (Hong Kong)</i></p> <ul style="list-style-type: none"> <li>• Dr. Marcel Dickow, (Germany), “Technological aspects of iPRAW’s work”</li> <li>• Dr. Anja Dahlmann, (Germany), “Security policy and iPRAW”</li> <li>• Dr. Ian MacLeod, (USA), “Ethical and legal aspects of iPRAW’s work”</li> <li>• Dr. Deane Peter-Baker (Australia), ‘What is ‘Meaningful Human Control’?</li> </ul> <p><b>Panel 15: Neuroscience and military ethics</b>  <i>Chair: Col.Prof.dr. Eric Vermetten (The Netherlands)</i></p> <ul style="list-style-type: none"> <li>• Prof. dr. Shannon French, (USA; NA ISME, BoD), “Neuroethics and the Military: Maintaining Ethical Restraint”</li> <li>• Prof.dr. Milton Regan (USA) and Prof.dr. Kevin Mullaney (USA), ‘Ethics, Neuroscience, and Asymmetric Warfare.’</li> <li>• Prof. dr. Joseph Thomas (USA), “Neuroscience and Military Leadership: Potential for Influencing, Inspiring, and Directing Action”</li> </ul>	Class room D
<p><b>11:50 – 12:00</b></p>	<p><b>Group photo</b></p>	Main Entrance
<p><b>12:10 – 13:10</b></p>	<p>Lunch Buffet</p>	officers mess, ground floor
<p><b>13:10 – 14:40</b>  <b>Parallel Sessions</b></p>	<p><b>Panel 16: Environmental issues</b>  <i>Chair: Dr. Bernhard Koch (Germany)</i></p> <ul style="list-style-type: none"> <li>• Dustin VanPelt (USA), “The carbon footprint: reconceptualising the military in the face of environmental degradation”</li> <li>• Cdr (ret) Carlos Hernandez Celis, PhD (Colombia), “New challenges for bio-ethics in warfare facing the environmental responsibility”</li> <li>• Col. Rafael Jimenez Sanchez (Spain), “Two approaches to fighting against explosive weapons: arms control and defeating the threat”</li> </ul> <p><b>Panel 17: moral injury (1):</b>  <i>Chair: t.b.d.</i></p> <ul style="list-style-type: none"> <li>• Col. Prof.dr. Eric Vermetten (NATO working group on mil. psychiatry), “Status update on moral injury: a clinical outlook”</li> <li>• Col. dr. Chris Warner (NATO working group on mil. psychiatry), “Engaged leadership: linking the professional ethic and battlefield behaviors”</li> </ul>	Class room A
		Doctorate room



	<ul style="list-style-type: none"> <li>• Prof.dr. Ed Barrett, (USA), “A philosophical perspective: the nature and implications of moral injury”</li> <li>• Monseigneur Franz Fahrner (Austria), -- a rebuttal</li> </ul> <p><b>Panel 18: Leveling up: on the challenges of controlling emergent weapons systems</b> <i>Chair: t.b.d.</i></p> <ul style="list-style-type: none"> <li>• Dr. Adam Henschke, (Australia; APAC ISME, BoD) “Convergent weapons systems and the argument of emergence”</li> <li>• Dr. John Borrie, (United Nations), “A brief history of convergent weapons systems and arms control”</li> <li>• Kerstin Vignard, (United Nations), “The Present Challenges From Novel Weapons Systems”</li> <li>• Richard Lennane, (Switzerland), “The Futures Of Convergent Weapon System Oversight”</li> </ul> <p><b>Panel 19: Just war and new military technologies</b> <i>Chair: Prof.dr. Henri Hude (France; EuroISME BoD)</i></p> <ul style="list-style-type: none"> <li>• Fernando Martín Cubel (Spain), “The nature and the current environments of the war”</li> <li>• Dr. Marie-des-Neiges Ruffo de Calabre (Belgium) &amp; Capt. Michaël Dewyn (Belgium), “Have new military technologies overwhelmed the classical theory of just war and ethics?”</li> <li>• Dragan Stanar (Serbia), “The loss of innocence in the age of drones: redefining the notion of innocence in the age of drone warfare”</li> </ul>	Class room B
<b>14:45 – 15:30</b> <b>Plenary Session</b>	<p><b>Keynote speech by Prof.Dr. Tamar Meisels (Israel)</b> “Ethical and human rights aspects of the use of drones”</p> <p><b>Q &amp; A session</b></p>	Auditorium
<b>15:30 – 15:50</b>	Coffee Break – With book stand of our publisher, Brill/Martinus Nijhoff	Adjacent to Auditorium
<b>15:50 – 16:35</b> <b>Plenary Session</b>	<p><b>Keynote speech by Capt. Victor Fèvre/Dr. Olivier Kempf (France)</b> “Is it ethical to hack the private smartphones of enemy soldiers”</p> <p><b>Q &amp; A session</b></p>	Auditorium
<b>16:45 – 18:00</b>	<b>AGM (EuroISME members only)</b>	Doctorate room
<i>No program for the evening!</i>		

# Wednesday, 16 May 2018

Time	Session	Location
08:10 – 08:30	Ecumenical morning prayer (optional)	military chapel
08:30 – 09:00	Coffee – With book stand of our publisher, Brill/Martinus Nijhoff	Adjacent to Auditorium
<b>09:00 – 09:45</b>	<b>Keynote address by: Col. Prof. Dr. Chris Warner, NATO's working group on mental health</b>	Auditorium
<b>Plenary Session</b>	<b>“Military mental health and moral decision-making”</b>	
	<b>Q &amp; A session</b>	
<b>09:45 – 10:10</b>	Coffee Break – With book stand of our publisher, Brill/Martinus Nijhoff	Adjacent to Auditorium
<b>10:10 – 11:40</b>	<b>Panel 20: Regulating the military use of artificial intelligence</b>	Class room A
<b>Parallel Sessions</b>	<i>Chair: Dr. Marie-des-Neiges de Calabre (Belgium)</i> <ul style="list-style-type: none"> <li>• Dr. Ioana Lekea (Greece) &amp; Anthimou (Cyprus), “Discussing issues of responsibility, accountability and liability when AI agents and act during war: the case of training algorithms for attacking possible targets”</li> <li>• Col. David Barnes (USA; NA ISME BoD), “AI and the military”</li> <li>• Irene Rodriguez Ortega (Spain), “The use of autonomous weapons systems in armed conflicts. Ethical implications and applicable international legislation”</li> </ul>	
	<b>Panel 21: critical views of just war theory (2)</b>	Class room B
	<i>Chair: Dr. Mihaly Boda (Hungary; EuroISME BoD)</i> <ul style="list-style-type: none"> <li>• Jonas Feltes, M.Sc., (The Netherlands), “Re-thinking terrorist weapons of mass-destruction (WMD)”</li> <li>• Dr. Lic. phil. theol. Markus Thureau (Germany), “Nuclear weapons and Christian ethics. Historical and present day dilemmas”</li> <li>• Lu-Vada Dunford (Canada), “The Problem of Just War Theory for Terrorism”</li> <li>• Prof.dr. (em) John Lango (USA), “Just cause crises and last-resort negotiations: just war theory and the <i>ius ante bellum</i>”</li> </ul>	
	<b>Panel 22: moral injury (2)</b>	Doctorate room
	<i>Chair: Prof.dr. Ed Barrett (USA)</i> <ul style="list-style-type: none"> <li>• Prof.dr. Rakesh Jetly (NATO working group on mil. psychiatry), “Moral dilemmas associated with following military orders”</li> </ul>	

<p><b>11:50 – 12:20</b> Plenary Session</p>	<ul style="list-style-type: none"> <li>• Dr. Megan Thompson (NATO working group on mil. psychiatry), “Battlefield ethics training: integrating ethical scenarios in high-intensity military field exercises”</li> <li>• Dr. Andrea Ellner, (UK), “New technologies of warfare and moral injury – a research proposal”</li> </ul> <p><b>Panel 23: Democracy under pressure</b> <i>Chair: Dr. Paul Ertl (Austria; EuroISME BoD)</i></p> <ul style="list-style-type: none"> <li>• Ian Fishback (USA), “Some moral and instrumental features of the transition to liberal democracy”</li> <li>• Dipl.-Soz. Meike Wanner (Germany), “The attitude of the German population towards equipping the <i>Bundeswehr</i> with drones”</li> <li>• Marine Huchet, (France), “The General Data Regulation: ethical implications of emerging military technologies”</li> <li>• Adi Levy (Israel), “Ethics and military defections in non-violent resistance campaigns”</li> </ul> <p><b>Farewell address by: Admiral Juan Francisco Martínez Nuñez (Spain)</b> Secretary of Defence for Political Affairs</p> <p><b>12:20 – 12:35</b> Closing comments by the President of EuroISME, Brig.Gen. (ret) Benoît Royal</p>	<p>Class room C</p> <p>Auditorium</p>
<p><b>12:35 – 13:30</b></p>	<p>Lunch Buffet</p>	<p>officers mess, ground floor</p>
<p><b>14:00</b></p>	<p>Departure of the coach to the airport (reserved seats only)</p>	<p>Main gate</p>

## Have a safe trip home and see you again in 2019

### Stay informed on our activities

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