Contents

Editorial iii

SECTION 1 – PAPERS TO BE PRESENTED AT PICARD 2020 1

If algorithms dream of Customs, do customs officials dream of algorithms? A manifesto for data mobilisation in Customs

Kunio Mikuriya and Thomas Cantens 3

Why the future Revised Kyoto Convention should contain comprehensive rules of customs debt

Hans-Michael Wolffgang, Achim Rogmann and Kerstin Harden 23

Implementing an innovation strategy in WCO; responding to disruptive events

Ricardo Treviño Chapa 39

Managing customs risk and compliance: an integrated approach

David Widdowson 63

Re-examining border clearance in the age of e-commerce

Bryce C. Blegen 81

The WCO's impact to date and lessons learned: the road from Columbus to Competency

David Hesketh 99

The World Customs Organization as a knowledge-based organisation

Jenia Peteva 109

Machine learning for detection of trade in strategic goods: an approach to support future customs enforcement and outreach

Christopher Nelson 119

The changing role of Customs: Customs aligning with supply chain and information management

Frank Heijmann, Yao-Hua Tan, Boriana Rukanova and Albert Veenstra 131

How can Customs better leverage emerging AI technologies for more sustainable and smarter operations?

Ismael Kafando 143

World Customs Organization and global trade: imprints and future paradigms

MM Parthiban, T Samaya Murali and G Kanaga Subramanian 157

Effectiveness and efficiency of artificial intelligence in boosting customs performance: a case study of RECTS at Uganda Customs administration

Kugonza Julius and Mugalula Christabel 177

How to connect the PICARD program to regional capacity building activities—from the perspective of the WCO Asia Pacific Region

Tong Hua 193

Customs capacity building through Partnership in Customs Academic Research and Development (PICARD): achievements and future directions.

Mikhail Kashubsky and Juha Hintsa 197

SECTION 2 – REFERENCE MATERIAL 225

Guidelines for Contributors 227

Editorial Board 228