CAMSAP 2011

**December 13–16 2011
San Juan, Puerto Rico**

Final report

Maria S. Greco,
Aleksandar Dogandžić

Organizing committee

General co-chairs

Aleksandar Dogandžić
Iowa State University

Maria Sabrina Greco
University of Pisa

Technical co-chairs

Sergiy Vorobyov
University of Alberta

Lee Swindlehurst
University of California - Irvine

Finance chair

Dominic K. C. Ho
University of Missouri - Columbia

Local arrangements co-chairs

Juan F. Arratia
Ana G. Méndez University System, San Juan

Luis M. Vicente López
Polytechnic University of Puerto Rico

IEEE
Signal Processing Society

Plenary speakers

P. R. Kumar

Networked Cyberphysical Systems

Jeffrey Krolik

MIMO Situational Awareness Radar

Juan F. Arratia,

Educational and Research Activities
at the Ana G. Mendez University System

Robert W. Heath Jr

The Limited Feedback Revolution in Wireless
Communication

José M. F. Moura

When is Distributed
as Good as Centralized?

Robert Calderbank

Faster than Nyquist but
Slower than Tropp

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11 invited sessions

Advances in the theory and practice of computationally intensive methods for statistical signal processing
Petar M. Djuric

Deterministic and probabilistic toolsets for high-dimensional optimization
Volkan Cevher & Andrea Montanari

Estimation, learning, and optimization for the smart power grid
Seung-Jun Kim & Georgios B. Giannakis

Signal processing for smart grids
Usman Khan

Energy harvesting wireless networks
Aylin Yener

11 invited sessions (cont.)

Spectrum sensing for cognitive systems
Geert Leus & Georgios B. Giannakis

Efficient algorithms for spectrum and infrastructure sharing
Martin Haardt & Eleftherios Karipidis

Through-the-wall imaging
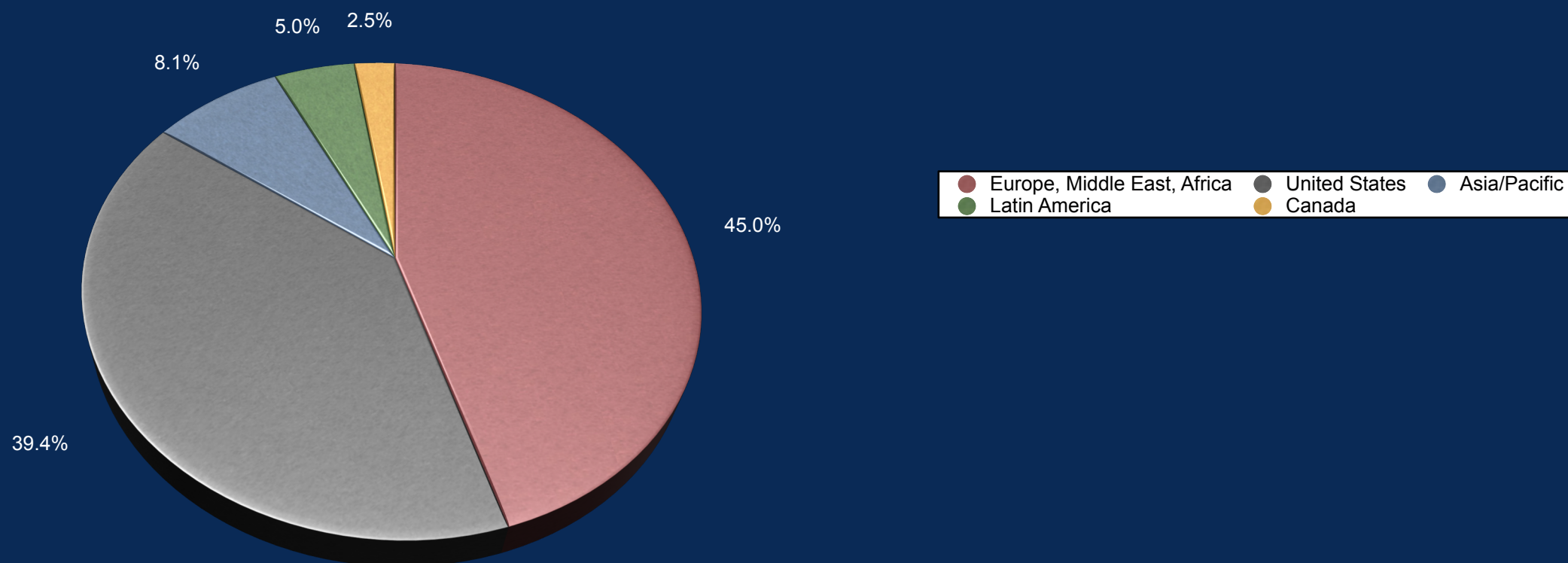Arye Nehorai

MIMO radar
Dan Fuhrmann

Advances in geographical positioning
Pascal Larzabal

Signal processing applications to financial engineering
Daniel Palomar and Francisco Rubio

Statistics

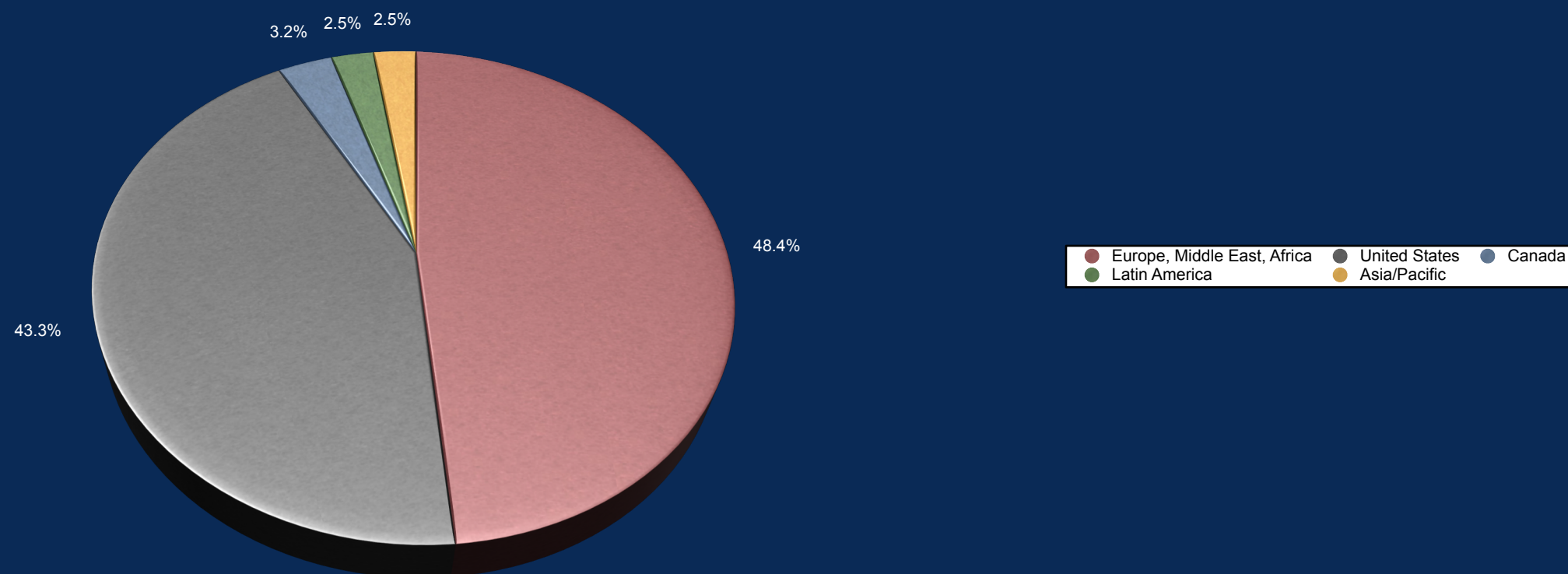Submitted papers: Authors by geographical area

2.5%

5.0%

8.1%

45.0%

39.4%

Legend:
- Europe, Middle East, Africa
- United States
- Asia/Pacific
- Latin America
- Canada

Average number of reviewers per paper (invited papers included): 3.35

Statistics

Accepted papers: Authors by geographical area

Legend:
- Europe, Middle East, Africa
- United States
- Canada
- Latin America
- Asia/Pacific

3.2% 2.5% 2.5%

48.4%

43.3%

Submitted papers: 83 regular and 60 invited

Accepted papers: 103

Acceptance rate for regular papers: 55 %

Acceptance rate for invited papers: 96 %

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Statistics

6 most popular topics (excluding invited sessions)

Array processing	24
Communication systems	16
Convex optimization and relaxation methods	17
Distributed computing, estimation, and detection	19
Sensor networks	18
Sampling and signal processing methods that	11

124 attendees, 100 regular and 24 student registrations

≈36 students attended

Student Paper Contest and ONR Support

- Twelve competitors were selected and three awards given to
  - Paolo Di Lorenzo, for "Optimal Beamforming for Range-Doppler Ambiguity Suppression in Squinted SAR Systems",
  - Rami Mochaourab, for "Coalition Formation in MISO Interference Channels", and
  - Emil Björnson, for Computational Framework for Optimal Robust Beamforming in Coordinated Multicell Systems.

- Seven $500 travel awards were given, thanks to the support by the ONR.

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Thanks to everyone!!!

Questions??

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