GENIUS 1st General Workshop on integral equations

Venue:

MAXWELL room (LINK)
Dept. of Electronics and Telecommunications
Politecnico di Torino, Corso Castelfidardo 42/a, Torino, Italy

Contact numbers:

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Transportation:

Torino International Airport is located about 20 km from the Politecnico di Torino, and may be reached by train, by bus (SADEM bus service) or by taxi. The train to the airport can be taken at the train station "Porta Susa" that is 15 minutes walking from the meeting venue. The Torino airport is conveniently connected to the main European airports (Amsterdam, Brussels, Frankfurt, London, Munich, Paris, Rome, and many others), through which intercontinental connections are available. Alternatively, the intercontinental airport of Milano-Malpensa (120 km from Torino) may be used; in this case a bus connection to/from Torino is also available (SADEM bus service).

Hotel accommodations:

Several hotels are available, mainly in the city center.
A short list is reported below:

- NH Torino Centro
- Best Quality Hotel Politecnico
- Best Western Hotel Luxor Turin 4-star
- Majestic Turin
- Best Western Hotel Genio - Torino

Requests:
All the GENIUS PhD Students are invited to bring their own laptops with possibly installed MATLAB and CST.

FINAL Agenda:

Tuesday Sept. 10

Start time	End time	Duration (min)	Topic	Lecturer
9:00	9:15	15	*Registration*	-
9:15	9:30	15	Workshop introduction	F. Vipiana
9:30	10:45	75	EM background review & EFIE, MoM	F. Vipiana
10:45	11:00	15	*Coffee break*	-
11:00	12:30	90	EFIE, MoM & source modeling	F. Vipiana
12:30	14:00	90	*Lunch*	-
14:00	15:30	90	MFIE, CFIE & PMCHWT formulations	D. R. Wilton
15:30	15:45	15	*Coffee break*	-
15:45	17:15	90	Linear Operator Equations	D. R. Wilton

Wednesday Sept. 11

Start time	End time	Duration (min)	Topic	Lecturer
9:00	9:15	15	*Registration*	-
9:15	10:45	90	MoM matrix evaluation: singularity subtraction & cancellation methods	F. Vipiana
10:45	11:00	15	*Coffee break*	-
11:00	12:30	90	MoM matrix evaluation: singularity subtraction & cancellation methods	F. Vipiana
12:30	14:00	90	*Lunch*	-
14:00	15:30	90	Source integral evaluation via the dimensionality reduction technique	D. R. Wilton
15:30	15:45	15	*Coffee break*	-
15:45	16:45	60	Test integral evaluation based on vertex functions	D. R. Wilton
16:45	17:15	30	MATLAB exercises on the MoM matrix evaluation (**laptop needed**)	V. F. Martin

Thursday Sept. 12

Start time	End time	Duration (min)	Topic	Lecturer
9:00	9:15	15	*Registration*	-
9:15	10:45	90	Periodic Green's function & multi-layered structures	G. Valerio
10:45	11:00	15	*Coffee break*	-
11:00	12:30	90	Periodic Green's function & multi-layered structures	G. Valerio
12:30	14:00	90	*Lunch*	-
14:00	15:30	90	Glide periodic Green's function, MMTMM technique & evaluation of dispersion diagrams	M. Petek
15:30	15:45	15	*Coffee break*	-
15:45	16:15	30	Physical interpretation of the Ewald acceleration technique	D. R. Wilton
16:15	17:15	60	MATLAB & CST exercises on periodic structures (**laptop needed**)	G. Valerio & M. Petek
20:00	-	-	*Social dinner @ Restaurant Pizzeria "Amici Miei", Corso Vittorio Emanuele II 94, 10121 Torino*	-

Friday Sept. 13

Start time	End time	Duration (min)	Topic	Lecturer
9:00	9:15	15	*Registration*	-
9:15	10:45	90	Introduction to MoM fast methods and preconditioning techniques: MLFMA, DDM, HS & slot FFT	V. F. Martin & J. A. Tobon Vasquez
10:45	11:00	15	*Coffee break*	-
11:00	12:30	90	Introduction to MoM fast methods and preconditioning techniques: MLFMA, DDM, HS & slot FFT	V. F. Martin & J. A. Tobon Vasquez
12:30	14:00	90	*Lunch*	-
14:00	15:30	90	Final exam	-