

# CTFM 2019 Conference Program

March 21, 2019. Registration Day		
14:00-18:00	Vienna International Hotel (Lobby, 1F)	
14:30-15:30	Qi Feng: 《理学院博导论坛》 (School of Sciences, 312)	
March 22, 2019. Conference Center 104		
08:00-18:00	<b>Registration;</b> Vienna International Hotel (Lobby, 1F)	
08:30-09:00	Opening Ceremony	
09:00-09:30	Conference Photo	
Chair: Kazuyuki Tanaka		
09:30-10:10	George Barmpalias	<i>Savings and initial capital in betting games</i>
10:20-11:00	Keita Yokoyama	<i>Weihrauch degrees of numerical problems comparison with arithmetic</i>
11:00-11:20	<b>Coffee Break,</b> (Conference Center 102)	
11:20-11:45	Toshio Suzuki	<i>Characterization of quasi Solovay reduction via sequences</i>
12:00-14:00	<b>Lunch</b>	
14:00-15:00	<b>Public Lecture,</b> (Conference Center 301)	
	Chi Tat Chong , <i>Computability from the foundational point of view</i>	
15:00-15:30	<b>Coffee Break,</b> (Conference Center 102)	
Chair: Keita Yokoyama		
15:30-16:10	Akitoshi Kawamura	<i>On the real Gray code and polynomial-time approximability</i>
16:20-17:00	Merlin Carl	<i>Effectivity and Reducibility with Ordinal Turing Machines</i>
17:10-17:35	Yong Liu	<i>There is no strong minimal pair</i>
18:00-20:00	<b>Dinner</b>	

**March 23, 2019. Conference Center 104**

**Chair: Qi Feng**

<b>09:00-09:40</b>	Shuguo Zhang	<i>Ideal-versions of Bolzano- Weierstrass Property</i>
<b>09:50-10:30</b>	Longyun Ding	<i>On equivalence relations generated by Cauchy sequences in countable metric spaces.</i>
<b>10:30-10:50</b>	<b>Coffee Break, (Conference Center 102)</b>	
<b>10:50-11:30</b>	Liuzhen Wu	<i>Pmax-style extension for basis problem of uncountable linear order</i>
<b>11:40-12:05</b>	Lu Liu	<i>Combinatorial implication of computability theory</i>
<b>12:00-14:00</b>	<b>Lunch</b>	

**Chair: Zhaokuan Hao**

<b>14:00-14:40</b>	Ruizhi Yang	<i>Is an alternative foundation of set theory possible?</i>
<b>14:50-15:30</b>	Yun Fan	<i>Working with computable Lipschitz reducibility above (uniformly) non-low<sub>2</sub> c.e. degrees</i>
<b>15:30-15:50</b>	<b>Coffee Break, (Conference Center 102)</b>	
<b>15:50-16:15</b>	Huimin Dong	<i>Permission and Obligation in Ceteris Paribus</i>
<b>16:25-16:50</b>	Cheng Peng	<i>An introduction to infinite time decidable equivalence relation theory</i>
<b>18:00-20:00</b>	<b>Dinner</b>	

**March 24, 2019. Conference Center 104**

**Chair: Guohua Wu**

<b>09:00-09:40</b>	Luoshan Xu	<i>Models of Computations Information Systems and Domains</i>
<b>09:50-10:30</b>	Takayuki Kihara	<i>The Brouwer Invariance Theorems in Reverse Mathematics</i>
<b>10:30-10:50</b>	<b>Coffee Break, (Conference Center 102)</b>	
<b>10:50-11:15</b>	Qingyu He	<i>Dcpo models of Choquet complete and Baire spaces</i>

11:25-11:50	Jiang Liu	<i>Some Sufficient Conditions for Boolean Unsatisfiability via Linear Algebra</i>
12:00-14:00	<b>Lunch</b>	
<b>Excursion (March 24, 2019)</b>		
14:00-16:00	Hubei Provincial Museum	
16:00-18:00	East Lake	
18:00-20:00	Conference Party (亢龙太子酒轩 (东湖路店))	
<b>March 25, 2019. Conference Center 104</b>		
<b>Chair: Toshio Suzuki</b>		
09:00-09:40	Kenshi Miyabe	<i>Schnorr triviality via decidable machines</i>
09:50-10:30	Satoru Kuroda	<i>Forcing in bounded arithmetic for small complexity classes</i>
10:30-10:50	<b>Coffee Break, (Conference Center 102)</b>	
10:50-11:15	Yasuhiko Omata	<i>Ramsey property and infinite game in second-order arithmetic</i>
11:25-11:50	Weiguang Peng	<i>The eigen-distribution for multi-branching trees on independent distributions</i>
12:00-14:00	<b>Lunch</b>	
<b>Chair: NingNing Peng</b>		
14:00-14:40	Ng KengMeng	<i>Online structures</i>
14:50-15:30	Wei Wang	<i>Two Propositions Between WWKL and WKL</i>
15:30-15:50	<b>Coffee Break, (Conference Center 102)</b>	
15:50-16:15	Takeshi Yamazaki	<i>Reverse functional analysis on complex Hilbert spaces</i>
16:25-16:50	Yinhe Peng	<i>Topological basis problem and Pmax</i>
<b>March 26, 27, 2019</b>		
Free discussion and Leaving		

