

# **Communication Skills (in General)**

- (1) To prepare as much as possible.**
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**Presentation Skills (especially at conference)**

# Award Finalists

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IJCNN Best Student Papers Finalists

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CEC Best Student Papers Finalists

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FUZZ Best Student Papers Finalists

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## CEC Best Papers Finalists

**24440** Which random is the best random? A study on sampling methods in Fourier surrogate modeling Marco S. Nobile, Simone Spolaor, Paolo Cazzaniga, Daniele M. Papetti, Daniela Besozzi, Daniel A. Ashlock and Luca Manzoni

**24645** Evolution of Complex Coordinated Behavior Padmini Rajagopalan, Kay E. Holekamp and Risto Miikkulainen

**24132** Riesz  $\beta$ -energy-based Reference Sets for Multi-Objective Optimization Jesus Guillermo Falcon-Cardona **Hisao Ishibuchi** and Carlos A. Coello Coello

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**24205** Multifactorial Cellular Genetic Algorithm (MFCGA): Algorithmic Design, Performance Comparison and Genetic Transferability Analysis Eneko Osaba, Aritz D. Martinez, Jesus L. Lobo, Javier Del Ser and Francisco Herrera

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# GECCO 2020 @ Cancun

## The Genetic and Evolutionary Computation Conference

July 8th-12th 2020

Electronic-only Conference

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**EMO1**

Friday, July 10, 10:30-12:10

Chair: Sanaz Mostaghim (University of Magdeburg)

*(Best Paper nominees are marked with a star)*

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**Another Difficulty of Inverted Triangular Pareto Fronts for Decomposition-Based Multi-Objective Algorithms** ★ 10:30-10:55

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# PPSN 2020

September 5 - 9

Leiden, The Netherlands

Out of the 99 accepted papers, the following 6 papers are nominated for a Best Paper Award:

**Tobias Glasmachers and Oswin Krause**

*The Hessian Estimation Evolution Strategy*

**Laurent Meunier, Yann Chevaleyre, Jeremy Rapin, Clément H. Royer and Olivier Teytaud**

*On averaging the best samples in evolutionary computation*

**Tim Cofala, Lars Elend, Philip Mirbach, Jonas Prellberg, Thomas Teusch, Oliver Kramer**

*Evolutionary Multi-Objective Design of SARS-CoV-2 Protease Inhibitor Candidates*

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*Proposal of a Realistic Many-Objective Test Suite*

**David Lynch, James McDermott and Michael O'Neill**

*Program Synthesis in a Continuous Space using Grammars and Variational Autoencoders*

**Krzysztof Michalak**

*Evolutionary Graph-based V+E Optimization for Protection Against Epidemic*

# **Communication Skills: Presentation**

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- researchers in the same research topic (e.g., many-objective optimization, EMO) or in a broader research field (e.g., computational intelligence: fuzzy systems, neural networks, and evolutionary computation, SMC).

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- researchers or students?

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**Preparing your presentation slides:**

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**Preparing your presentation slides:**

**(1) Readable (do not try to include a lot of information)**



# Communication Skills: Presentation

## Preparing your presentation slides:

### (1) Readable (do not try to include a lot of information)

Problem	$M$	NSGA-III	$\theta$ -DEA	MOEA/DD	PBI	Tch	WS	IPBI	NSGA-II
DTLZ1	3	1.11508	1.11767	<b><u>1.11913</u></b>	1.11711	1.06842	0.39572	0.48149	1.07411
	5	1.57677	1.57767	<b><u>1.57794</u></b>	1.57768	1.51186	0.50052	0.02284	0.00000
	8	2.13770	<b><u>2.13788</u></b>	2.13730	2.13620	2.05463	0.96246	1.44289	0.00000
	10	<b><u>2.59280</u></b>	2.59272	2.59260	2.59220	2.51973	1.07913	1.90272	0.00000
DTLZ2	3	0.74336	0.74390	<b><u>0.74445</u></b>	0.74418	0.70168	0.33187	0.33100	0.69708
	5	1.30317	1.30679	<b><u>1.30778</u></b>	1.30728	1.14598	0.61944	0.27191	0.67442
	8	1.96916	1.97785	<b><u>1.97862</u></b>	1.97817	1.35469	0.68315	0.54410	0.00004
	10	2.50878	2.51416	<b><u>2.51509</u></b>	2.51500	1.69045	0.83883	0.64925	0.00000
DTLZ3	3	0.73300	0.73642	<b><u>0.73944</u></b>	0.73654	0.69553	0.33026	0.31397	0.69959
	5	1.29894	1.30376	<b><u>1.30638</u></b>	1.30398	1.14475	0.60143	0.00750	0.00000
	8	1.95007	1.96849	<b><u>1.97162</u></b>	1.74240	1.33166	0.66684	0.29765	0.00000
	10	2.50727	2.51279	<b><u>2.51445</u></b>	2.50933	1.69956	0.80348	0.52362	0.00000
DTLZ4	3	0.73221	0.71077	<b><u>0.74484</u></b>	0.48232	0.45889	0.17191	0.23377	0.70481
	5	1.30839	<b><u>1.30878</u></b>	1.30876	1.20680	1.00426	0.42941	0.33457	1.00881
	8	1.98025	1.98078	<b><u>1.98083</u></b>	1.86439	1.35100	0.71296	0.53303	0.00000
	10	2.51524	<b><u>2.51539</u></b>	2.51532	2.43536	1.56890	0.95488	0.64498	0.00000
WFG1	3	0.65088	0.70151	0.69393	0.67291	<b><u>0.92204</u></b>	0.73804	0.81622	0.75944
	5	0.85608	1.14844	1.23809	1.34797	<b><u>1.51824</u></b>	1.36724	1.36241	1.03120
	8	1.36206	1.88297	1.91925	1.73875	<b><u>2.05117</u></b>	1.85604	1.75472	1.51083
	10	2.22078	2.38349	2.37705	1.78435	<b><u>2.46470</u></b>	2.27031	2.18237	2.38032

# Communication Skills: Presentation

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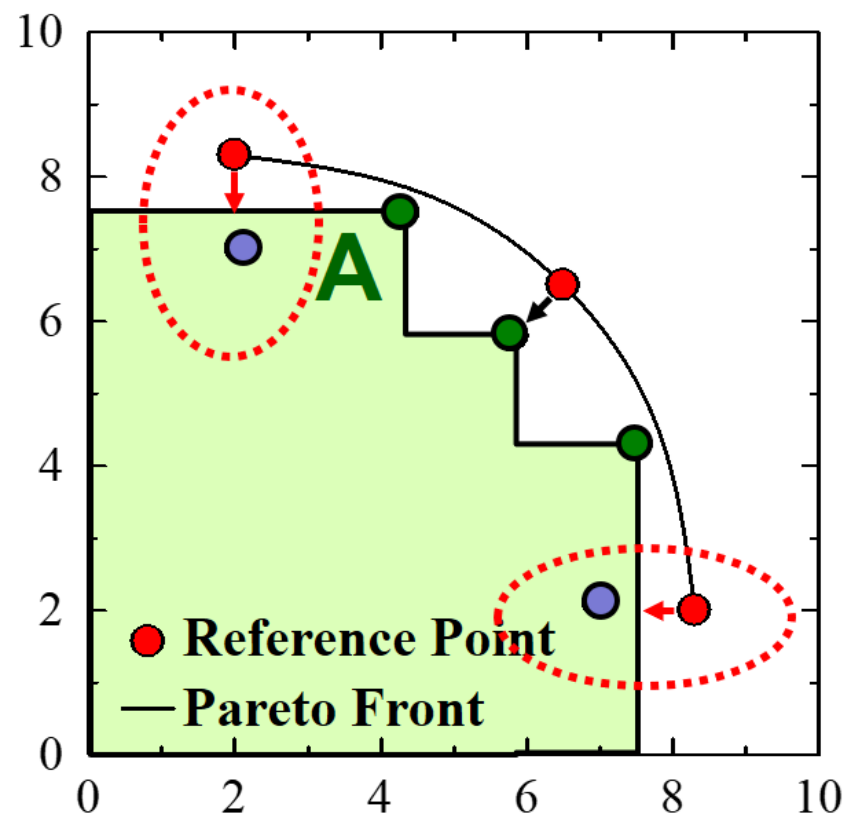
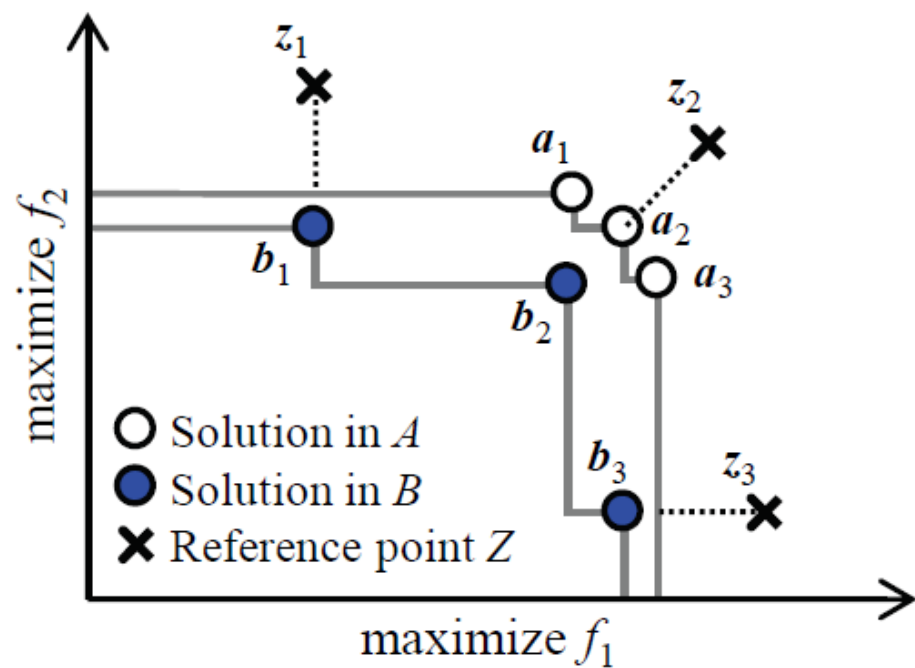
**(2) Simple sentences (easy-to-read, easy-to-understand)**

# Communication Skills: Presentation

**Preparing your presentation slides:**

- (1) Readable (do not try to include a lot of information)**
- (2) Simple sentences (easy-to-read, easy-to-understand)**
- (3) Visually nice figures**

**Usually, nice figures for presentations are different from nice figures for papers. Instead of simply using copies from your paper, generate figures for the presentation.**



Indicator	Correct $I(A_i) > I(B_i)$	Equivalent $I(A_i) = I(B_i)$	Inconsistent $I(A_i) < I(B_i)$
GD	98.04%	0.00%	1.96%
IGD	97.95%	0.00%	2.05%
IGD <sup>+</sup>	100.00%	0.00%	0.00%
D1	100.00%	0.00%	0.00%
Additive $\varepsilon$	91.24%	8.97%	0.00%

<b>Indicator</b>	<b>Correct <math>I(A) &gt; I(B)</math></b>	<b>Equivalent <math>I(A) = I(B)</math></b>	<b>Inconsistent <math>I(A) &lt; I(B)</math></b>
<b>GD</b>	<b>98.04%</b>	<b>0.00%</b>	<b>1.96%</b>
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<b>IGD<sup>+</sup></b>	<b>100.00%</b>	<b>0.00%</b>	<b>0.00%</b>
<b>D1<sub>R</sub></b>	<b>100.00%</b>	<b>0.00%</b>	<b>0.00%</b>
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**(4) Prepare for possible questions by creating some slides to answer those questions.**

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**(5) Practice, practice, practice.**



# Communication Skills: Presentation

## On the first day of the conference:

- Go to your presentation room and check the size of the room and the size of the audience. If possible, check the compatibility of your PC and the projector.

## Just before your session:

- Go to the presentation room 10-20 minutes before the start of your session.
- Check the compatibility of your PC and the projector.
- Say "Hello" to the session chair.

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**During your presentation:**

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**(1) Speak loudly, slowly (in a normal way), and clearly.**

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**During your presentation:**

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- (2) Never read (talk to the audience)**
- (3) Be energetic and enthusiastic**

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## After your presentation:

You can say that your presentation is successful if you receive some questions from the audience (even if you cannot answer the questions).



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**You can say that your presentation is very successful if you receive an e-mail about your presentation after the conference.**

**The worst result of your presentation is no question, no response, no feedback.**

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**Award Winners**

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# Paper and PC Member Origin

