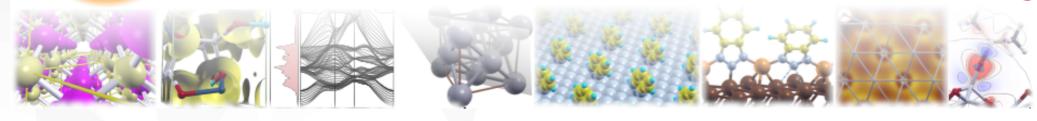
September 15—20, 2019 Ljubljana, Slovenia



Summer School on Advanced Materials and Molecular Modelling

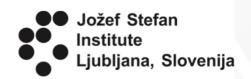


Closing remarks &

POSTER PRIZE AWARD

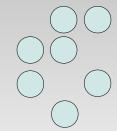






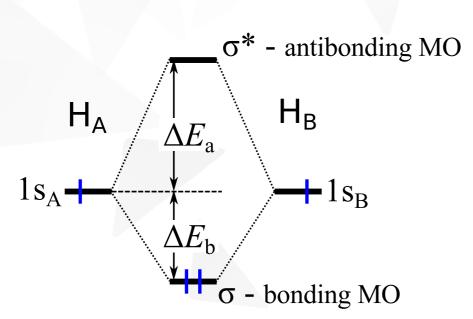






▼ molecular orbital (MO) diagram





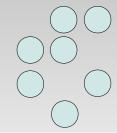
net attraction (two-orbital two-electron interaction)

$$\Delta E_a = +\frac{H_{\rm AB}}{1 - S_{\rm AB}}$$

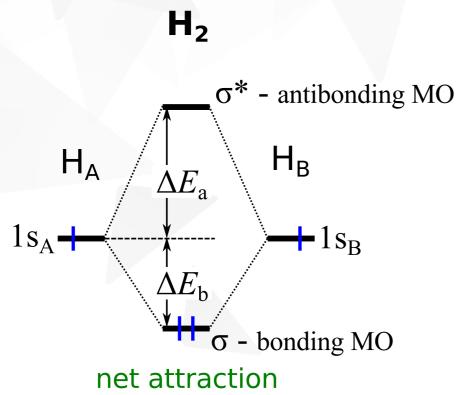
$$\Delta E_b = -\frac{H_{\rm AB}}{1 + S_{\rm AB}}$$

 H_{AB} = interaction between $s_A & s_B$ S_{AB} = overlap between $s_A & s_B$

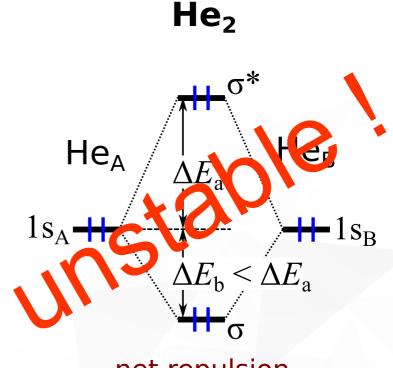
$$H_{\rm AB} \propto S_{\rm AB}$$



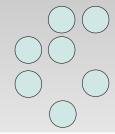
▼ molecular orbital (MO) diagram



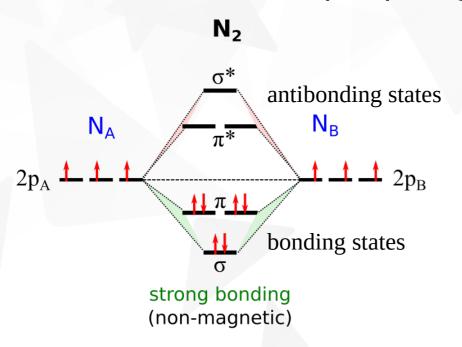
net attraction (two-orbital two-electron interaction)

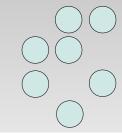


net repulsion (two-orbital four-electron interaction)

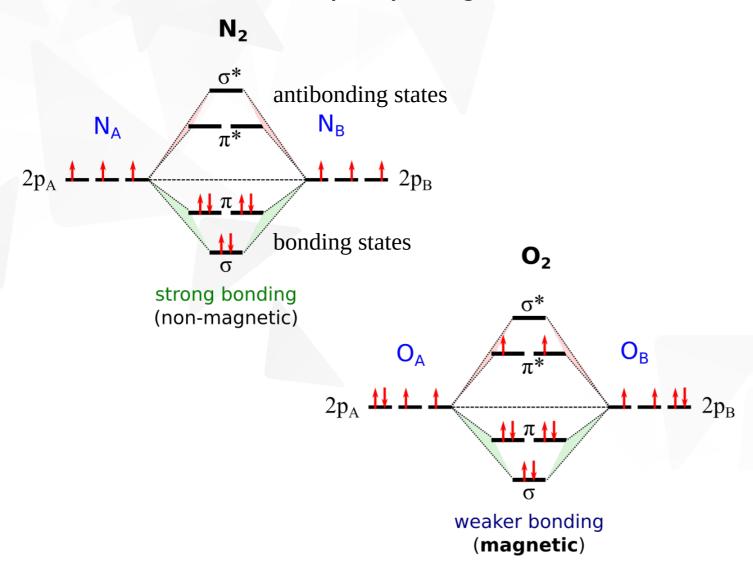


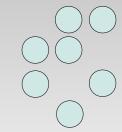
▼ molecular orbital (MO) diagram



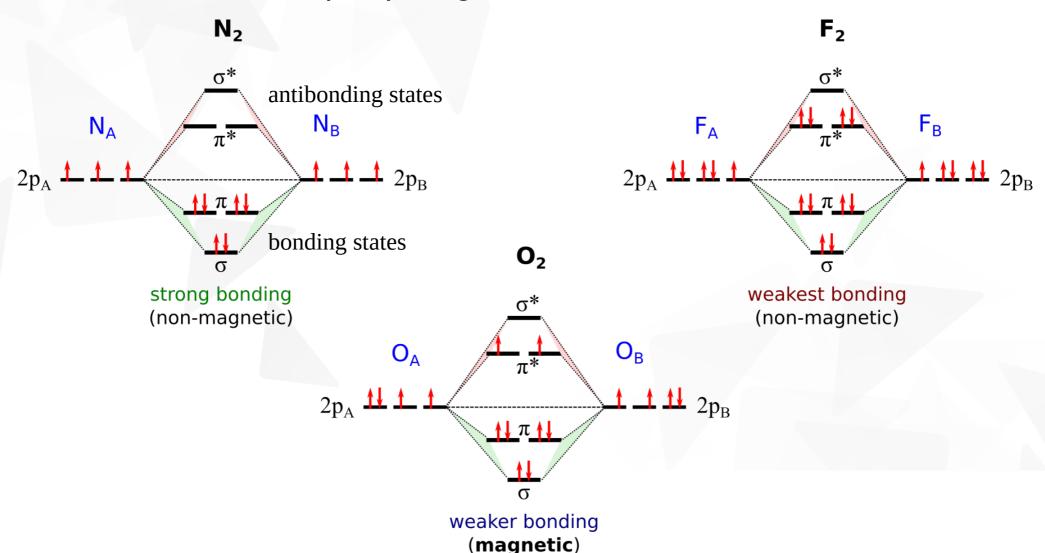


▼ molecular orbital (MO) diagram





molecular orbital (MO) diagram

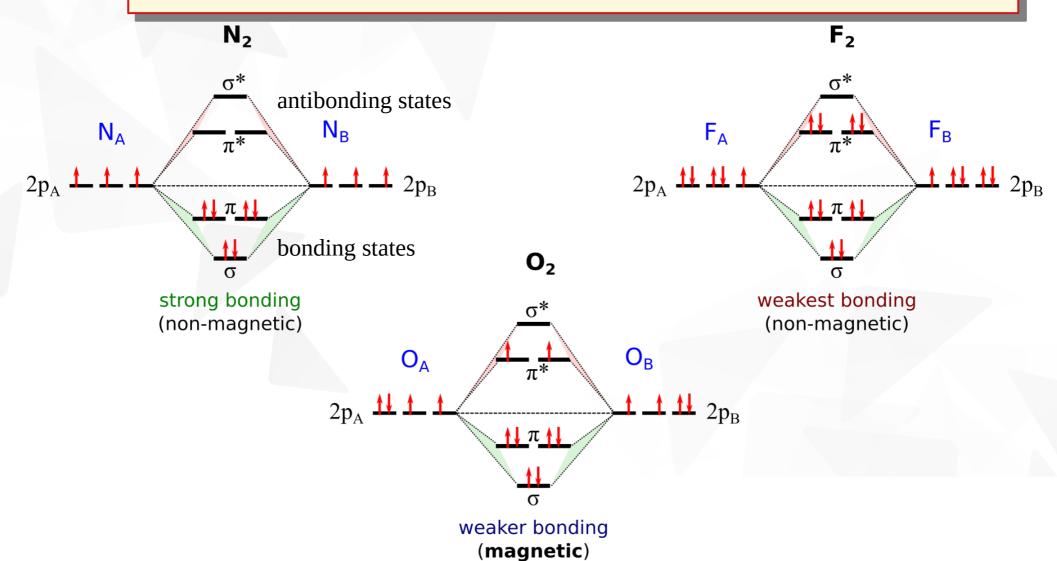


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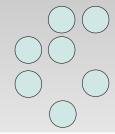
Let's prove it by experiment!

mole

(the movie of the experiment can be seen at http://qe2019.ijs.si/O2_experiment.avi)



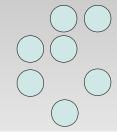
Feedback survey on QE-2019



We want to hear your feedback so we can keep improving our logistics and content

▼ You will receive by email a link to a short on-line survey

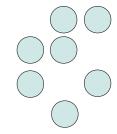
Slides of lectures and hands-on sessions



Slides of lectures will be available on QE-2019 web-page: http://qe2019.ijs.si/

▼ Pictures taken by photographer will be also available there

■ Hands-on are available on gitlab: https://gitlab.com/QEF/material-for-ljubljana-qe-summer-school

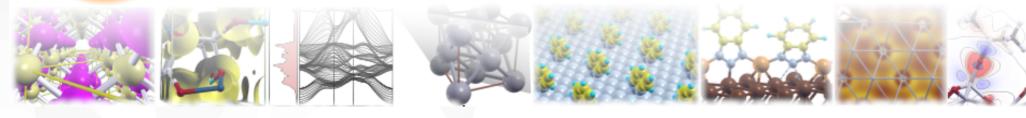


Poster price award

- 46 voted(45 valid and 1 invalid ballot ticket)
- organizing committee selected 5 posters without ranking them (rule: the poster who receives the most votes among these 5 is a winner)



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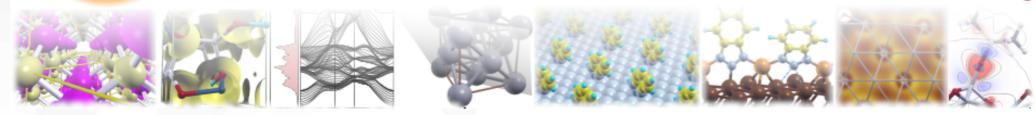


POSTER PRIZE AWARD GOES TO





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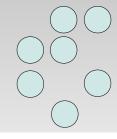
POSTER #.22: Matic Poberžnik

Lateral interactions between electronegative adatoms on metal surfaces: a high-throughput computational study

CONGRATULATIONS!



Poster price award ballot results



voting results for the 5 posters selected by the committee:

- 1) Matic Poberžnik 9 votes
- 2) Marion Antonia van Midden 6 votes
- 3) Matjaž Dlouhy 4 votes
- 4-5) Matteo Busato 2 votes
- 4-5) Srdjan Stavrić 2 votes

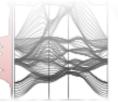
- ranking according to voting of participants:
 - 1) Matic Poberžnik (#22) 9 votes
 - 2) Marion Antonia van Midden (#7) 6 votes
 - 3) Marie Kempkes (#24) 5 votes
 - 4) Matjaž Dlouhy (#27) 4 votes
 - 5) Chiara Ribaldone (#5) 3 votes

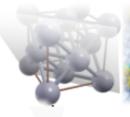
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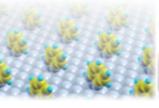


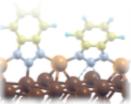
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THANK YOU FOR COMMING

FAREWELL









