

## The School

The fundamental objective of the school is an in-depth exposition and elucidation of chosen mathematical aspects as well as some physical applications of the categorical approach to quantisation within the rapidly evolving framework of topological quantum field theory, with due emphasis on recent developments. The subject will be introduced and elaborated in a series of lectures:

**Krzysztof Gawędzki** (*CNRS, ENS de Lyon*)

“Wess-Zumino amplitudes and topological insulators” (8 hrs)

**Motohico Mulase** (*UC Davis*)

“From two-dimensional TQFT to topological recursion, a counting tool on moduli spaces” (6 hrs)

**Ingo Runkel** (*Universität Hamburg*)/**Nils Carqueville** (*Universität Wien*)

“Closed TQFT in 1, 2, and 3 dimensions / Boundaries and defects in 2-dimensional TQFT” (6+4 hrs)

The school is dedicated primarily to students, with view to exposing them to the wealth of ideas and formal tools encountered in the study of topological aspects of field theory at large. That said, everyone sharing our curiosity and interest in the subject matter of the school indicated above is welcome to attend.

## Research talks

The lectures will be complemented by research talks, to be presented at local seminars in the aftermath of the school proper:

### **1. Thursday, December 10<sup>th</sup>, 10:15-12:00 – lecture room 2.23**

Seminar “Theory of Duality”, Department of Mathematical Methods in Physics  
<http://oldwww.fuw.edu.pl/KMMF/sem.czw.przedp.ogon/sem.czw.przedp.program.html>

**Krzysztof Gawędzki** (CNRS, ENS de Lyon)

“Topological invariants of periodically forced crystals”

#### Abstract

*I shall review a recent construction of invariants characterizing topological phases of crystals undergoing a time-periodic perturbation.*

### **2. Thursday, December 10<sup>th</sup>, 16:30-18:00 – lecture room 2.23**

The Thursday Colloquium “The Algebra & Geometry of Modern Physics”  
<http://www.fuw.edu.pl/%7Eepsulkows/seminar/abstracts.html>

**Motohico Mulase** (UC Davis)

“Opers and quantum curves through Gaiotto's conjecture”

#### Abstract

*This talk aims at explaining our recent solution of Gaiotto's conjecture. The conjecture is about the precise construction of opers from a flat family of connections associated with the Hitchin component of the moduli space of Higgs bundles. It has been solved very recently in collaboration with Olivia Dumitrescu, Laura Fredrickson, Georgios Kydonakis, Rafe Mazzeo and Andrew Neitzke. This theorem leads us to developing a mathematical theory of quantum curves for Hitchin spectral curves. In this talk, the result of our joint work on the conjecture is outlined. Then we give a holomorphic formula for non-Abelian Hodge correspondence for the Hitchin components.*

### **3. Friday, December 11<sup>th</sup>, 14:15-16:00 – lecture room 1.40**

Seminar “Exact Results in Quantum Theory & Gravity”, Department of Mathematical Methods in Physics and Institute of Theoretical Physics  
<http://www.fuw.edu.pl/~exact/>

**Ingo Runkel** (Universität Hamburg)

“Defects as dictionary”

#### Abstract

*Many different tools are available when studying quantum field theories: one can start from a classical action, one can constrain the correlation functions via symmetries, one can identify indices or topological subsectors which remain invariant under deformations, etc. The relations between these methods are often indirect and conjectural. In the example of two-dimensional field theories, I would like to explain how one-dimensional defect lines appear from various point of view, and how they can be valuable in linking different descriptions of quantum field theory.*

## Lecture-&-event schedule

	<b>Monday December 7<sup>th</sup></b>	<b>Tuesday December 8<sup>th</sup></b>	<b>Wednesday December 9<sup>th</sup></b>
<b>9:00-9:30</b>	(wake-up) coffee	(wake-up) coffee	(wake-up) coffee
<b>9:30-10:45</b>	<b>I. Runkel (1)</b>	<b>K. Gawędzki (2)</b>	<b>I. Runkel (4)</b>
<b>10:45-11:15</b>	coffee break	coffee break	coffee break
<b>11:15-12:30</b>	<b>K. Gawędzki (1)</b>	<b>M. Mulase (2)</b>	<b>K. Gawędzki (4)</b>
<b>12:30-14:30</b>	lunch break	lunch break	lunch break
<b>14:30-15:45</b>	<b>M. Mulase (1)</b>	<b>I. Runkel (3)</b>	<b>M. Mulase (3)</b>
<b>15:45-16:15</b>	coffee break	coffee break	coffee break
<b>16:15-17:30</b>	<b>I. Runkel (2)</b>	<b>K. Gawędzki (3)</b>	<b>I. Runkel (5)</b>
<b>Evening</b>	<b>19:00</b> - conference dinner	<b>18:00</b> – public lecture by John Ellis	

All lectures (apart from the public one) take place in the **lecture hall A** in the “Cyklotron” building (street address: **Pasteura 5a**), right next to the building of the Faculty of Physics.

The public lecture by John Ellis (CERN & KCL) on “*The Higgs boson and the new era of particle physics*”, to which we cordially invite all participants of the school, takes place at the Faculty of Physics (street address: Pasteura 5), in lecture hall 0.03.

\* \* \*

### Coffee & lunch

Each morning, just before the first lecture, as well as during breaks between lectures coffee and pastries will be served in the hall of the “Cyklotron” building, adjacent to the lecture hall. The refreshments are **free for the participants**.

Each day, those willing to have lunch together at the nearby refectory of the Faculty of Biology are welcome to join. Space for a number of people has been reserved in advance by the organisers. Please note that the meals **are not covered** by the organisers and should be **ordered and paid for individually** by every participant.

\* \* \*

### Conference dinner

On the first day of the school, **Monday, December 7<sup>th</sup>, at 19:00**, we shall have a conference dinner all participants are warmly invited to attend. The event takes place in an Ethiopian restaurant “Abyssinia” in the Old Town (street address: **Rynek Nowego Miasta 21**). Please note that the dinner **is not covered** by the organisers and should be **ordered and paid for individually** by every participant.

# Organisation of the school

The school has been organised by

**Nils Carqueville**

*(Fakultät für Mathematik, Universität Wien)*

**Piotr Sułkowski**

*(Instytut Fizyki Teoretycznej, Wydział Fizyki, Uniwersytet Warszawski)*

**Rafał R. Suszek**

*(Katedra Metod Matematycznych Fizyki, Wydział Fizyki, Uniwersytet Warszawski)*

with a substantial financial and/or logistic support from the following institutions, gratefully acknowledged herewith.

**Universität Wien**

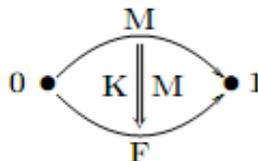


**Wydział Fizyki UW**



**Instytut Fizyki Teoretycznej WFUW**

**Katedra Metod Matematycznych Fizyki WFUW**



**Środowiskowe Laboratorium Ciężkich Jonów UW**

The local organisers can be contacted via electronic mail at [psulkows@fuw.edu.pl](mailto:psulkows@fuw.edu.pl) resp. [suszek@fuw.edu.pl](mailto:suszek@fuw.edu.pl) or – outside the time of the school activities – in person at their respective offices: room 4.14 (tel. no. (+48) 22 55 32 814) and room 5.40 (tel. no. (+48) 22 55 32 940). We also encourage You to consult the school's webpage

<http://www.fuw.edu.pl/~psulkows/tqft2015.html>

for current informations.

## List of participants

1. Daniil Antonenko (Moscow)
2. Jan Boruch (Warsaw)
3. Enrico Brehm (Munich)
4. Mariusz Budziński (Warsaw)
5. Nils Carqueville (Vienna)
6. Maciej Ciemny (Warsaw)
7. Paweł Ciosmak (Warsaw)
8. Jan Dereziński (Warsaw)
9. João Esteves (Lisbon)
10. Krzysztof Gawędzki (Lyon)
11. Ivan Ip (Tokyo)
12. Jakub Jankowski (Cracow)
13. Marek W. Kalinowski (Warsaw)
14. Wojciech Kamiński (Warsaw)
15. Maciej Kolanowski (Warsaw)
16. Yakov A. Kononov (Moscow)
17. Piotr Kucharski (Warsaw)
18. Isao Makabe (London)
19. Masahide Manabe (Warsaw)
20. Flavio Montiel Montoya (Vienna)
21. Motohico Mulase (Davis)
22. Lukas Müller (Hamburg)
23. Adaś Naęcz-Jawecki (Warsaw)
24. Miłosz Panfil (Warsaw)
25. Jaan-Eerik Past (Edinburgh)
26. Michał Pawelkiewicz (Hamburg)
27. Marcin Piątek (Szczecin)
28. Fedor Popov (Moscow)
29. Tomas Prochazka (Munich)
30. Ingo Runkel (Hamburg)
31. Gregor Schaumann (Vienna)
32. Daniel Scherl (Vienna)
33. Mykola Semenyakin (Kyiv)
34. Paweł Smoliński (Warsaw)
35. Aleksander Strzelczyk (Warsaw)
36. Piotr Sułkowski (Warsaw)
37. Rafał R. Suszek (Warsaw)
38. Lorant Szegedy (Hamburg)
39. Mariusz Tobolski (Warsaw)
40. Jeroen van Gorsel (Leiden)
41. Paul Weinreb (London)
42. Lukas Woike (Hamburg)
43. Junya Yagi (Warsaw)
44. Sebastian Zając (Warsaw)
45. Michał Zakrzewski (Kielce)
46. Damian Zdulski (Warsaw)
47. Mateusz Zieliński (Warsaw)
48. Christian Zimmermann (Regensburg)

## Getting to and out of the school venue

The buildings of the Faculty of Physics (street address: **Pasteura 5**) and of the Heavy Ion Laboratory ("Cyklotron" - street address: **Pasteura 5a**) can be reached by all means of municipal transport: bus, tram, and – with a little ingenuity and determination, and non-optimally – also subway. The respective stops nearest to the school venue are (below, we give the names used within the communication system and the approximate distance from the building of the Faculty; as for buses, those whose numbers start with a "5" are the fast(er) ones, whereas those whose label starts with an "N" are part of the night service):

Buses and trams:

- **Banacha** (275 m) – bus: 136, 172, 186, N01; tram: 1, 14, 25
- **Och-Teatr** (320 m) – bus: 167, 191, 521, N38, N43, N88; tram: 1, 7, 9, 14, 15, 25
- **Banacha-Szpital** (420 m) – bus: 128, 136, 175, 188, 504, N32
- **Wawelska** (445 m) – bus: 157, 167, 182, 187, 523, N35, N38, N43, N85, N88; tram: 1, 7, 9, 14, 15, 25
- **Bitwy Warszawskiej 1920** (450 m) – bus: 136, 154, 167, 172, 186, 191, 208, 414, 521, N01, N38, N43, N88; tram: 1, 7, 9, 14, 15, 25

Subway:

- **Pole Mokotowskie** (1823 m – well, good luck)
- **Rondo Daszyńskiego** (1933 m – s.a.a.)

In order to establish an optimal transport connection between the Faculty and the place of Your stay, You are advised to use the much reliable (and free) online service **jakdojade.pl** at

<http://warszawa.jakdojade.pl/?locale=en>

or the official route planner of the Municipal Transport Company (ZTM) at

<http://wyszukiwarka.ztm.waw.pl/bin/query.exe/en>

These services may also be employed to map out the path from resp. to the relevant stop, for which You may, alternatively, use the **Google Map of Warsaw** at

<https://www.google.pl/maps/place/Warsaw/@52.2326063,20.7810167,10z/data=!3m1!4b1!4m2!3m1!1s0x471ecc669a869f01:0x72f0be2a88ead3fc>

or (if You chance to speak Polish) the **Targeo Map of Warsaw** at

<http://mapa.targeo.pl/warszawa/miasta>

Note also that there exists a dedicated on-and-off-line route planner for public transport in Warsaw for Android phones called **mobileMPK** that You may find useful.

## The “canonical” connections

### Connections to the Faculty building

- from the **Warsaw Chopin Airport** (WAW, street address: Żwirki i Wigury 1): **buses 188, 175** to bus stop **Banacha-Szpital 02** – trip duration: possibly more than 20 minutes on the bus during rush hour (see: below) + less than 10 minutes on foot (You need a 75-mins ticket for 4.4 PLN ~ 1 EUR); less than 20 minutes on the bus outside of rush hour (You need a 20-mins ticket for 3.4 PLN ~ 0.8 EUR). For further information, you may also consult the airport's official webpage at

<http://www.lotnisko-chopina.pl/en/index.html>

- from the **Central Train Station** (Dworzec Warszawa Centralna, street address: Aleje Jerozolimskie 54): **buses 128** (direction Szcześliwice), **175** (direction Lotnisko Chopina), **504** (direction Os. Kabaty) from bus stop **Dw. Centralny 02** to bus stop **Banacha-Szpital 01**, or bus **521** (direction Szcześliwice) from bus stop **Dw. Centralny 02** to bus stop **Och-Teatr 02** – trip duration: ca. 10 minutes on the bus outside of rush hour (see: below), less than 20 minutes during rush hour + less than 10 minutes on foot (You need a 20-mins ticket for 3.4 PLN ~ 0.8 EUR); **trams 7** (direction Al. Krakowska), **9** (direction Al. Krakowska), **25** (direction Banacha) from tram stop **Dw. Centralny 08** to tram stop **Och-Teatr 04** – trip duration: 10 minutes on the tram + less than 10 minutes on foot (You need a 20-mins ticket for 3.4 PLN ~ 0.8 EUR)
- from **hotel “Hera”** (street address: Belwederska 26/30): **bus 167** (direction Chomiczówka) from bus stop **Spacerowa 04** to bus stop **Och-Teatr 02** – trip duration: ca. 20 minutes on the bus outside of rush hour (see: below) + less than 10 minutes on foot (You need a 75-mins ticket for 4.4 PLN ~ 1 EUR, to be on the safe side). For further information, You may also consult the hotel's official webpage (alas, in Polish exclusively) at

<http://portalinformacyjny.uw.edu.pl/hera/>

The following connections to hotel “Hera” may also be of interest to You:

- from the **Warsaw Chopin Airport** : **buses 188, 175** to bus stop **Pomnik Lotnika 03**, then **switch to buses 131, 167** to bus stop **Spacerowa 03** – trip duration: ca. 40 minutes on the bus outside rush hour (see: below) + less than 5 minutes on foot (You need a 75-mins ticket for 4.4 PLN ~ 1 EUR)
- from the **Central Train Station** : **buses 131** (from bus stop **Dw. Centralny 25**, direction Sadyba) to bus stop **Spacerowa 03**, or **501** (direction Stegny), **519** (direction Powsin-Park Kultury), **522** (direction Branickiego) from bus stop **Dw. Centralny 27** to bus stop **Spacerowa 01** – trip duration: ca. 20 minutes on the bus outside of rush hour (see: below) + less than 10 minutes on foot (You need a 75-mins ticket for 4.4 PLN ~ 1 EUR, to be on the safe side).

## General information on public and private transport in Warsaw

Public transport in Warsaw is fairly reliable and efficient, with obvious limitations to such an assessment during **rush hour** (roughly **7:00-10:00** and **16:00-19:00** – even during rush hour public transport has higher priority than private transport, a fact reflected in a dense net of bus lanes). You are strongly advised to avoid travelling during rush hour as the travelling time increases substantially in this period (at least for buses). When trapped (and not just then), remember that currently almost every other bus in Warsaw is equipped with a free wifi hotspot (look for cars with the “Free WiFi” pictogram; when on board, connect to **freewifi.waw.pl** with an extension given by the identification number of the car (written on its side) and accept the “Regulamin”). Besides buses (by far the most practical choice for the purposes of the school), You may use trams (they are old-school and hence cool, but otherwise a bit on the slow side) and two lines of the subway. Please note that the intensity of public transport drops down significantly after midnight, with waiting times extending to up to 30-40 minutes (for specific lines) – there are numerous (fast) night buses (marked by letter “N” preceding the number) to be enjoyed on such merry occasions.

There is a universal ticketing system for all of public transport in Warsaw (including night buses): For trips of duration **shorter than or equal to 20 minutes** (with changes allowed), You need a **20-mins (normal) ticket for 3.4 PLN ~ 0.8 EUR**. For longer trips (**up to 75 minutes**, with changes allowed), You need a **74-mins (normal) ticket for 4.4 PLN ~ 1 EUR** – outside of rush hour, this is almost certain to take You anywhere You need, and (much) farther. There are no one-week tickets, but if You are planning to travel at least 4 times for longer than 20 minutes (each time) within 24 hours, consider purchasing a **one-day ticket (valid 24 hours after the first validation) for 15 PLN ~ 3.5 EUR**. Also, note that there are **weekend tickets for 24 PLN ~ 5.6 EUR** that entitle You to an unlimited number of journeys between 19:00 on a Friday and 8:00 on the next Monday. Tickets can be bought at **newsstands and kiosks**, as well as from touch-screen **vending machines** located near some bus and tram stops, and at subway stations (look for a ZTM logo), or from similar devices on most buses and trains (but NOT on subway trains). If You buy a ticket at a newsstand or kiosk, or from a street vending machine, make sure to **validate** it immediately upon boarding the car resp. train. When buying a ticket from an on-board vending machine, read and follow the instructions on the touchscreen carefully – some tickets are pre-validated, some require validation. For further information, consult the official webpage of the Municipal Transport Authority (ZTM) at

<http://www.ztm.waw.pl/index.php?l=2>

In addition to public transport, You have cabs at Your disposal. A decent rate per 1 km (in daytime, within central zone – the night rate is typically 1.5 times the daytime rate) is 1.5-2 PLN ~ 0.35-0.46 EUR + the “entrance” fee of 7-8 PLN ~ 1.6-1.85 EUR. You are **strongly** advised to check the tariff before starting the journey. You may want to use the service of some of the following verified cab companies: Bayer Taxi (tel. no. +48 22 196 67), Glob Cab Taxi (tel. no. +48 22 196 68, or +48 666 00 9668 from a mobile), Grosik Taxi (tel. no. +48 22 646 46 46), Korpo Taxi (tel. no. +48 22 196 24), Volfra Taxi (tel. no. +48 22 196 25).

## The City, in a tiny nutshell

Warsaw (**Warszawa** in Polish, which transcribes phonetically as Varshava), the host city of the school, is the heart and brains of a vibrant modern agglomeration of a little over 2.5 million inhabitants, with a congenially heterogeneous social and cultural fibre and a long (and rather difficult) history of its existence on the map of Europe, dating back as far as the XIII century. It borders on impossible to do justice to the cultural and historical phenomenon of the Phoenix City in the limited space afforded by this brochure, with its obvious objective, and so we shall not even start. Let us merely emphasise that exploring it, and with it a bit of the convoluted Polish and Central European history, seems well worth the effort it requires.

If You have time, and feel like it, You may want to visit one or more of the large number of the city's museums, *e.g.*,

- The National Museum - <http://www.mnw.art.pl/en/>
- The Museum of the History of Polish Jews "POLIN" - <http://www.polin.pl/en>
- The Royal Łazienki Museum - <http://www.lazienki-krolewskie.pl/en?langset=true>
- The Royal Castle - <https://www.zamek-krolewski.pl/en>
- The Museum of King Jan III Sobieski's Palace in Wilanów - <http://wilanow-palac.pl>
- The Warsaw Rising Museum - <http://www.1944.pl/en/>
- The Fryderyk Chopin Museum - <http://chopin.museum/en>
- The State Ethnographic Museum - <http://www.ethnomuseum.pl/>

to name only the most prominent ones. If You do not have enough time, do not despair, for You will have a chance to admire some of Warsaw's best architecture on our way to and from the conference dinner, which takes us through the Warsaw Old Town, a UNESCO World Heritage Site, with its Gothic churches and market places, its Renaissance townhouses and fortifications, Baroque chapels, and the Royal Castle where the celebrated Constitution of May 3<sup>rd</sup>, 1791 was drafted.

If, instead of the enclosed space of the museum, You prefer to seek repose and inspiration in the wide expanses of the Capital's numerous parks, gardens and promenades, swept mercilessly by autumnal winds these days, You may choose from the following short list:

- The Royal Łazienki Park
- The Royal Route (from the Castle Square, through the Three Crosses Square and along Al. Ujazdowskie, to Wilanów)
- The Park and Gardens of the Royal Palace in Wilanów
- The Ujazdów Park
- The Saxon Garden, adjacent to the Tomb of the Unknown Soldier
- Agrykola (with its atmospheric gas lanterns)
- Królikarnia (= The neoclassical Rabbit House)
- The Skaryszewski Park on the Eastern bank of Vistula
- The Mokotów Field (right next to the Faculty buildings)
- The roof garden of the Warsaw University Library
- The Vistula Boulevards

Art and architecture are but two of a variety of exteriorisations of a rich cultural activity to enjoy and be part of in Warsaw. Whenever Your determination to openly confront Strzybóg and Βορεας wears thin and Your animal hunger takes the upper hand, as it is bound to at some point, You will find comfort and a lavish and wholesome meal at one of the variety of gastronomic institutions scattered all over the city, and among them (beware of the devastatingly vast spectrum of tastes and culinary cultures involved, and check the prices online, lest they should rip You off unawares...)

- “Dom Polski”, ul. Francuska 11 (traditional Polish; the upper shelf) - <http://www.restauracjadompolski.pl/en/>
- “Różana”, ul. Chocimska 7 (traditional Polish; the upper shelf) - <http://restauracjarozana.com.pl/en/>
- Karczma “U Dedka”, Al. Zieleniecka 6/8 (traditional Polish; somewhat rustic, at moments even kitsch in form, but they serve decent food, some of it quite authentic, e.g., the horse steak tartare) - <http://karczmaudedka.pl>
- Pierogarnia “Zapiecek” - a few restaurants from this chain are to be found in central Warsaw, and among them, e.g., the one in Al. Jerozolimskie 28 (traditional countryside Polish food, including the notorious pierogi (dumplings), whence the name – tasty and fat as hell; very affordable) - <http://www.zapiecek.eu/main.html>
- “U Sióstr”, ul. Złota 63A (traditional Ukrainian, which means very good) - <http://usiostr.com>
- “Ukraińskie Smaki”, ul. Francuska 50 lok. 8 (traditional Ukrainian, with a non-trivial personal touch to it – s.a.a.) - <http://ukrainskiesmaki.pl>
- “Babooshka”, ul. Grójecka 18/20 (traditional Russian, from Siberia, across Caucasus, all the way to the Muscovite Court) - <http://babooshka.pl>
- Restauracyjka “Skamiejka”, ul. Ząbkowska 37 (the best pelmeni in the free world)
- “Pod Samsonem”, ul. Freta 3,5 (a glimpse of our Ashkenazi past, although for a proper insight You need to go to... no, to Lublin) - [http://www.podsamsonem.pl/en\\_about-us.html](http://www.podsamsonem.pl/en_about-us.html)
- “Galil Kosher”, ul. Zielna 37 (refined Jewish cuisine; the upper shelf) - <http://www.galil-restaurant.pl/about-us/>
- DeliCafe “Tel Aviv”, ul. Poznańska 11 (simple but enjoyable take on vegetarian Israeli cuisine) - <https://www.facebook.com/tel.aviv.cafe/>
- “Mały Belgrad”, ul. Belgradzka 4 lok. 9U (lavish Balkan cuisine) - <http://www.malybelgrad.pl>
- “Borpince”, ul. Zgoda 1 (the Liszt of Warsaw restaurants) - <http://restauracja-borpince-warszawa.pl>
- “Adler”, ul. Mokotowska 69 (the ultimate take on Bavarian cuisine to the east of Odra, oder?) - <http://www.adlerrestauracja.pl>
- Pizzeria “Bella Napoli”, ul. Kondratowicza 18 (if You think have understood all there was to be understood about pizza, then think again, think Maestro Enzo Rossi) - <http://www.bellanapoli.com.pl>
- “Loco Mexicano”, ul. Wiatraczna 2 (a tasty Mexican experiment, with a note of Eastern individuality) - <http://www.locomexicano.pl>
- TexMex “S’poco Loco”, ul. Francuska 8 (phenomenally hot Mexican wraps of all sorts) - <http://www.spocoloco.com.pl>
- “Fenicja”, ul. Świętokrzyska 32 and ul. Francuska 31 and 41 (the best Lebanese cuisine in town) - <http://www.fenicja.com>
- “Katmandu”, ul. Wspólna 65A (exquisite Nepalese-Indian cuisine, the best one outside the Deccan) - <http://katmandu.com.pl>
- “Himalaya Momo”, ul. Ząbkowska 36 (Nepal, Tibet, Bhutan - the Himalayas of good taste) - <http://www.himalayamomo.com>
- Dumpling Bar “Tsong Kha Momo”, Al. Jana Pawła II 41A lok. 4 (the unprepossessing yet convincing Rinpoche of the Tibetan cuisine in Warsaw)
- Dumpling Bar “To Tu”, ul. Niekłańska 33 lok. 11 (the place for jiaozi and baozi, if You know what we mean) - <http://totupierogi.pl>
- “Pekin”, ul. Senatorska 27 (imperial embarrassment of riches) - <http://www.restauracjapekin.pl/onas.php?lng=eng>
- Bar “Toan Pho”, ul. Chmielna 5/7 (you shall drown in their soups, with delight)

- “Abyssinia”, Rynek Nowego Miasta 21 (just wait... ) - <https://www.facebook.com/abyssiniapl/>
- “La Mama”, ul. Gen. Andersa 23 (wildly enjoyable – the goat's head is a must! but, then, so are the stews) - <http://www.lamama.eu/?lang=1>
- Café “Baobab”, ul. Francuska 31 (the tenderness and subtlety of Senegal) - [http://cafebaobab.pl/?page\\_id=9](http://cafebaobab.pl/?page_id=9)
- “Krowarzywa”, ul. Hoża 42 and ul. Marszałkowska 27/35 (the ultimate vegan burger) - <http://krowarzywa.pl/en/>

Finally, if You decide - to our great delight - to stay with us truly much longer, make sure to visit, among other things,

- The Grand Theatre in Warsaw, a home to the Polish National Opera and Ballet - <http://teatr Wielki.pl/en/>
- The Warsaw Philharmonic - [http://filharmonia.pl/strona-glowna\\_en/](http://filharmonia.pl/strona-glowna_en/)

and much more...

Well, simply feel at home.

Have a fantastically inspiring and rewarding time during the School!  
Enjoy Your sojourn in Warsaw!